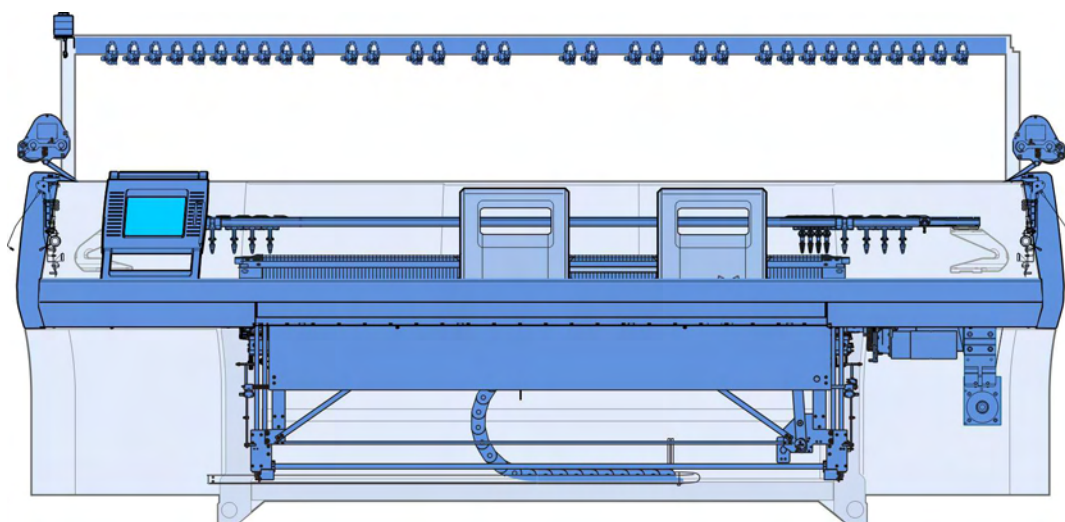


STOLL

Spare parts catalog CMS 803 (Typ 657)

Component type 000

E3,5.2



Document no. 268739_00_GB
Issue 10/2014

1 Introduction

Imprint

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Notes for the order

This catalog serves to order spare parts.

It can only be applied to the machine type recorded on the title page.

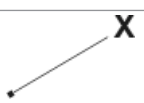
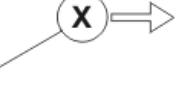
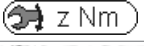
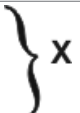
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

1. Type of machine, gauge, no. of machine.
2. Page no., designation, ID, quantity.

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

In order to make the search of the spare parts easier, the following elements will be used in the spare parts catalog:

Symbol	Meaning
Σ	Indicates an assembly
	Position indicator with the position number (X).
	Indicates an element of another assembly.
	Indicates an assembly which is represented more detailed beside.
	Indicates an assembly which is represented on another page more detailed.
	Screw torques (z) deviating from the preferential row.
	Detail, represented enlarged in the direction of the arrow.
	Explosion representation, single elements enlarged.
	Indicates a group of parts.
	Indicates the left side or view.
	Indicates the right-hand side or view.
	Indicates a sectional drawing or a view in the viewing direction.

1.2 Torques

Preferential row of screw torques

- Torques are **valid** for:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are **not valid** for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-cutting threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{ges} = 0,12$)		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clases de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3	0,6	1,2	2,5
	M4	1,2	2,5	5
	M5	2,5	5	9
	M6	5	9	18
	M8		18	40
	M10		40	
	M12		80	

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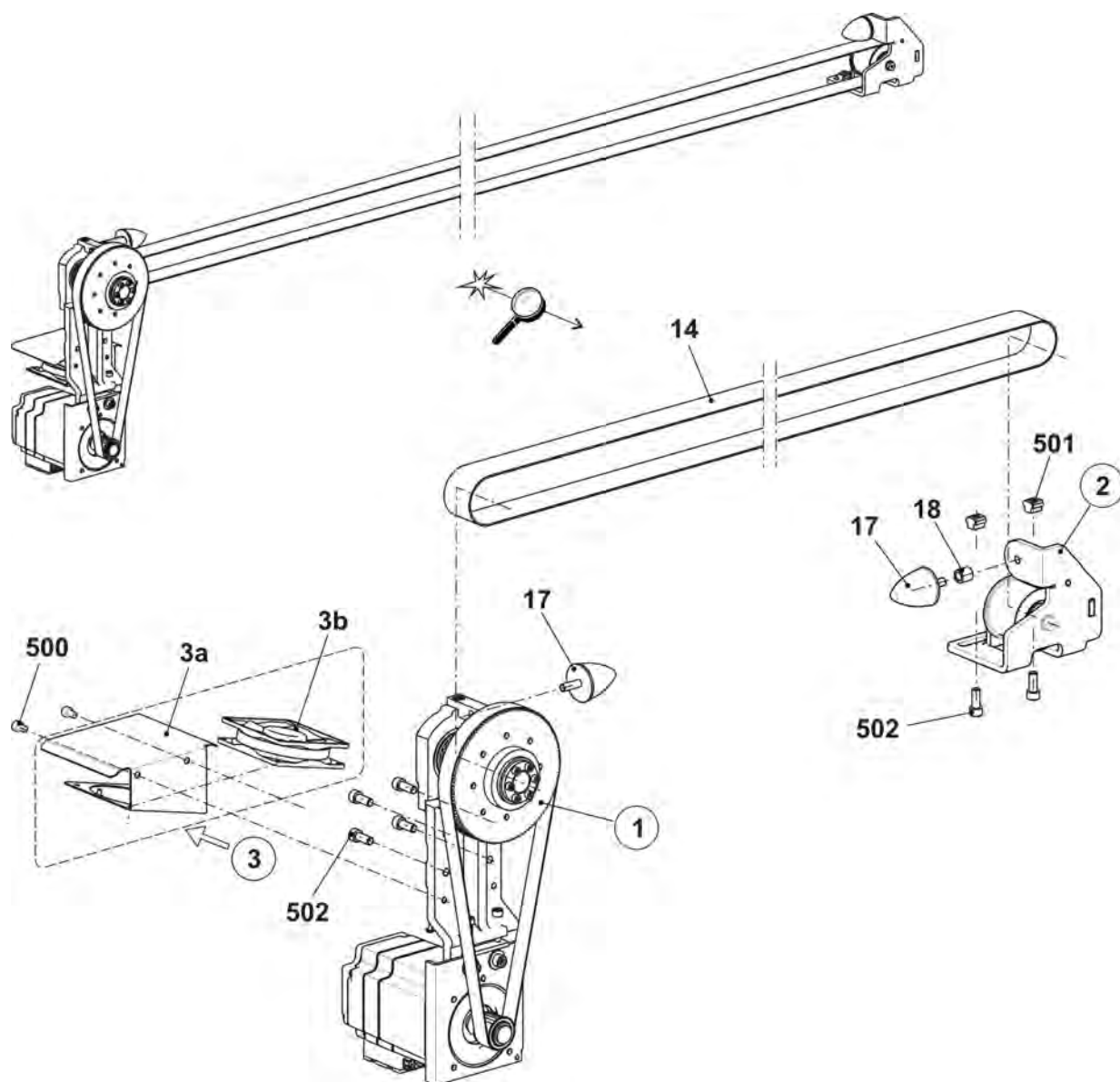
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2 Carriage drive



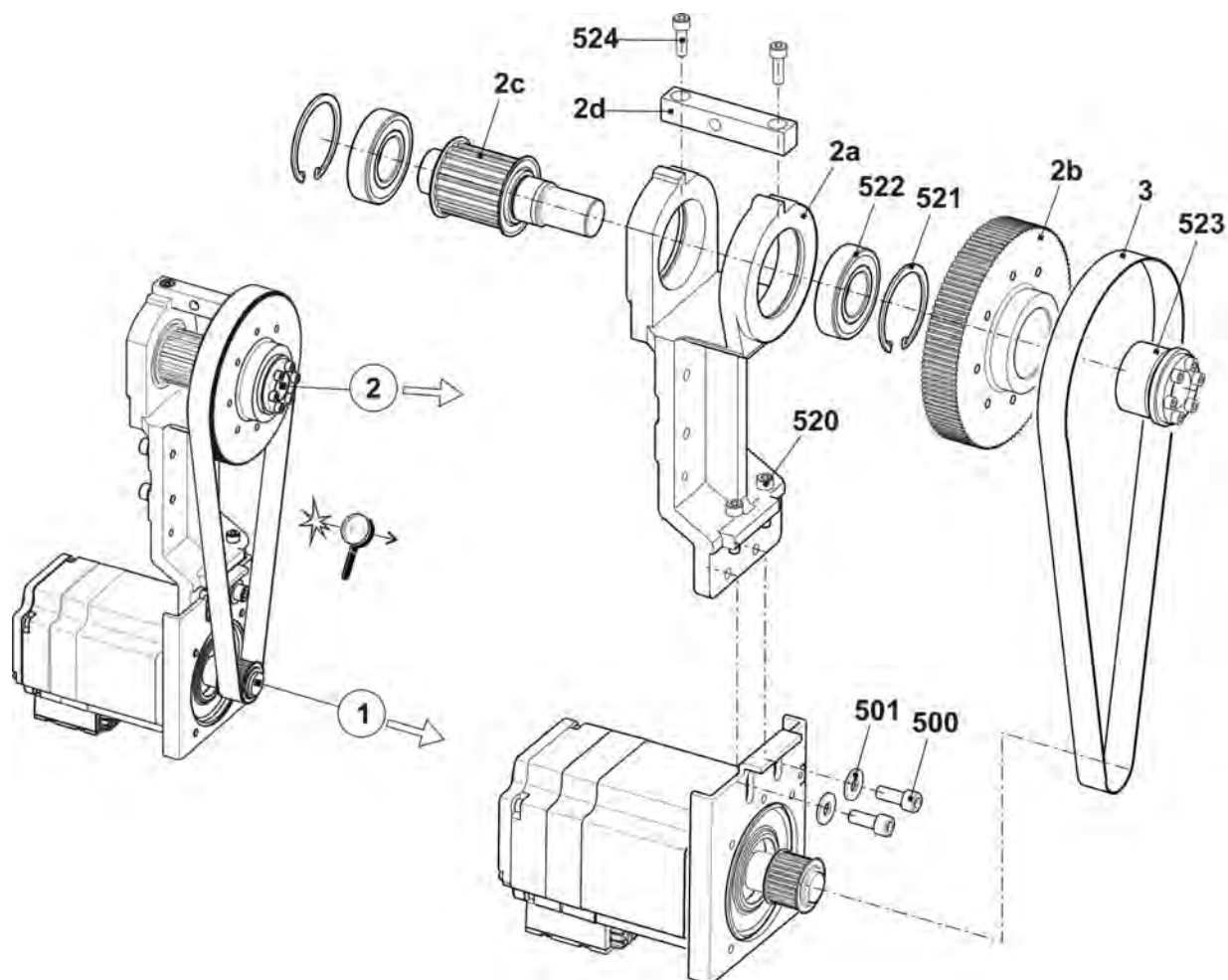
2.1 Drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Drive unit		14	Toothed belt 50AT10/7150	236 656
1	Drive unit complete	240 743	17	Parabolic spring	200 661
2	Tension bearing complete	251 581	18	Spacer pipe	222 099
3	Fan complete	242 413	500	Cap screws M8x12	023 138
3a	Fan plate drive motor	241 823	501	Sliding nut M10X12	023 471
3b	Fan complete 512	213 722	502	Cap screw M10X25	020 157



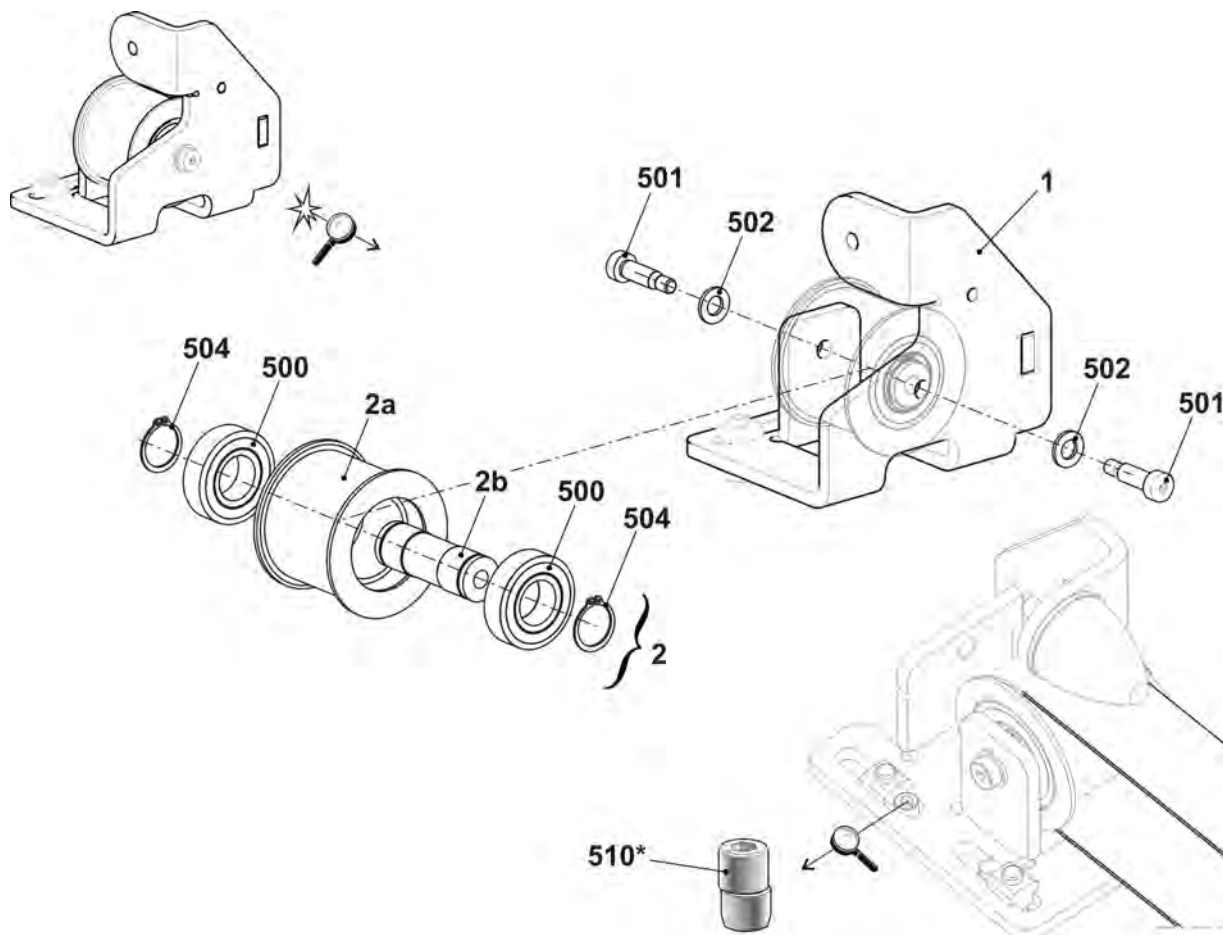
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	240 743			
1	Drive unit	256 301	521	Retaining ring68x2.5	022 914
2	Drive bearing complete	255 005	522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing	241 654	523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616	524	Cap screw M8X25 12.9	020 142
2c	Pinion57 AT10 18	242 039	3	Toothed belt250 HP-S5M 1050 NG	240 628
2d	Support of buffer	222 100	500	Cap screw M10X25	020 157
520	Cap screw M8X35	020 144	501	Disk10,5X25X2,5	022 178



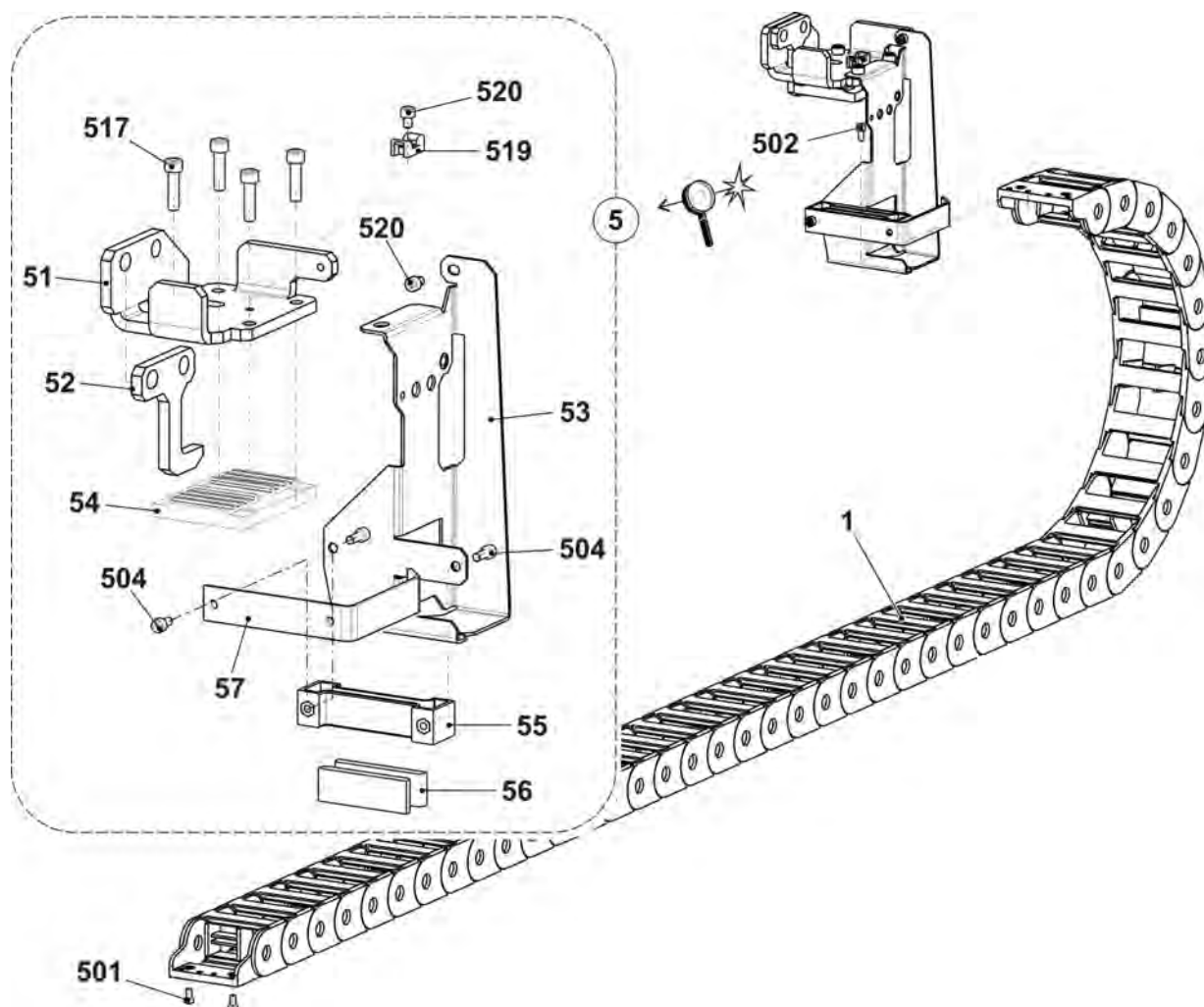
2.1.2 Tension bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension bearing complete	251 581	2	500 Grooved ball bearing 625-6305-2RS	255 686
1	Tension bearing	251 560	504	Retaining ring 471-25x1,2	251 617
2	Tension roller complete	256 640	501	Cap screw M10x25	023 751
2a	Tension roller	255 684	502	Washer	020 874
2b	Axle	251 579	510*	Eccentric	255 499



2.2 Energy chain and plunger

Pos	Designation		Id. no.		Pos	Designation		Id. no.	
1	Energy chain 43 links		221 728						
5	Carriage driver complete		267 028		5	57	Cover strip	258 379	
	51	Carriage driver	258 380			520	Cap screw M6x8	023 411	
	52	Switch flag carriage driver	267 011			504	Cap screw M6x12	020 134	
	53	Cable driver	258 378			517	Cap screw M8x30	020 143	
	54	Clamping plate	252 592			519	Fixing element	026 489	
	55	Cable holder	204 688		501	Cap screw M6x8	023 411		
	56	Cellular caoutchouc	202 597		502	Cap screw M6x16	020 135		

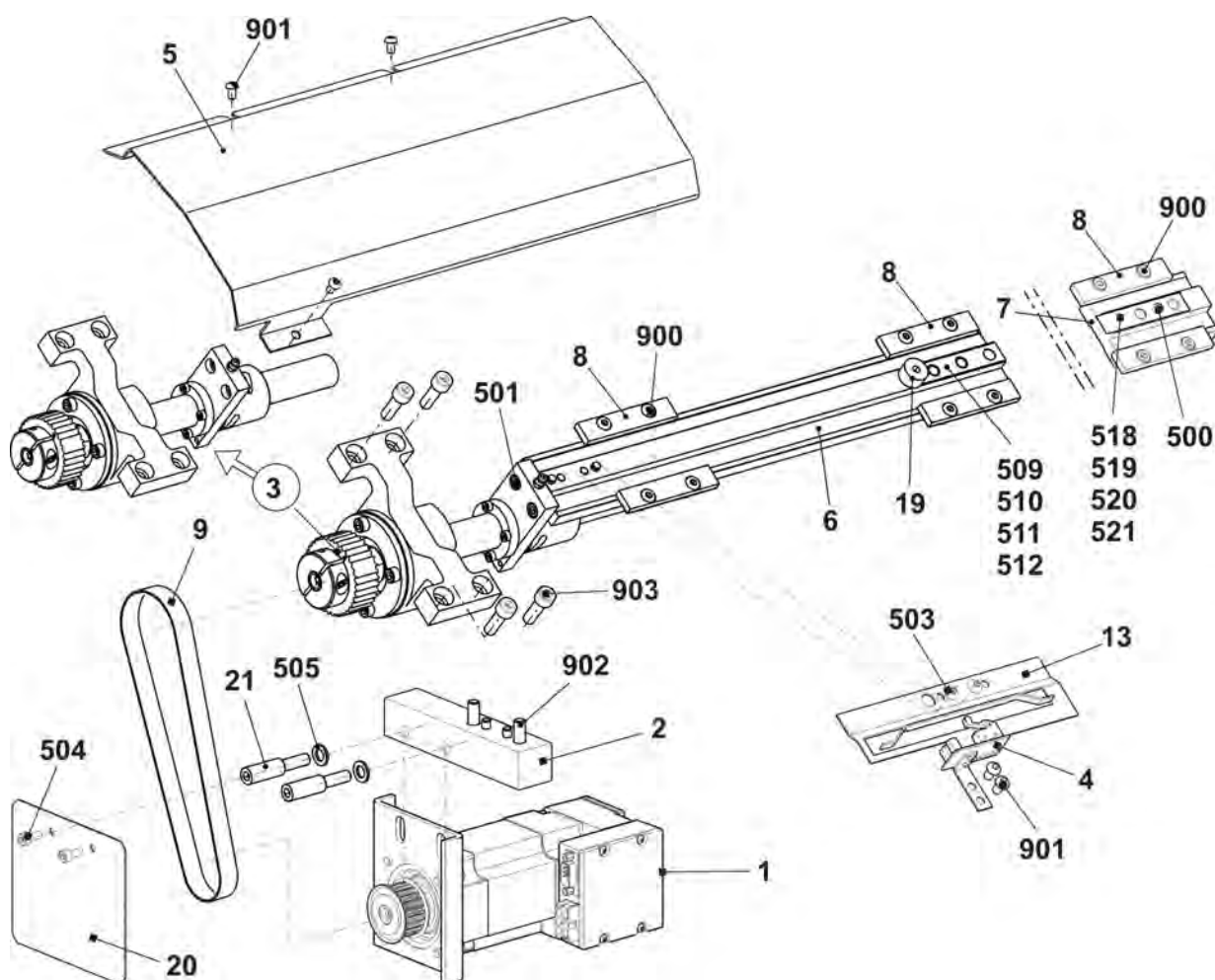


3 Racking

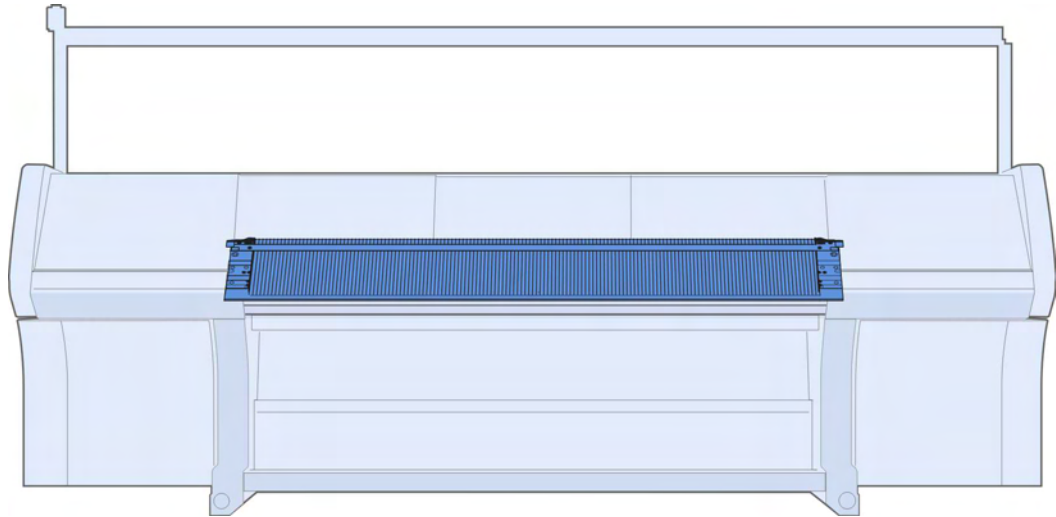


3.1 Racking drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Racking				
1	Racking motor complete	258 192	503	Pan head screw M6x10	023 183
2	Bearing	227 605	504	Cap screw M5x12	020 132
3	Spindle bearing complete	253 262	505	Washer	022 175
4	Card racking limit switch	229 396	509	Shim0,03x15x85	023 162
5	Racking cover plate	230 048	510	Shim0,05x15x85	023 163
6	Racking strip	241 921	511	Shim0,1x15x85	023 164
7	Racking strip on the left	240 696	512	Shim0,2x15x85	023 170
8	Guide strip	206 382	518	Shim0,03x15x75	023 395
9	Toothed belt150 S 5M 490	229 281	519	Shim0,05x15x75	023 396
13	Switch plate	240 722	520	Shim0,1x15x75	023 397
19	Stop screw	221 386	521	Shim0,2x15x75	023 398
20	Cover plate	232 544	900	Cap screw M6x12	022 795
21	Distance bolt	232 543	901	Pan head screw M6x10	023 183
500	Cap screw M4x4	022 767	902	Cap screw M8x30	020 143
501	Cap screw M6x16	023 116	903	Cap screw M8x25	020 142

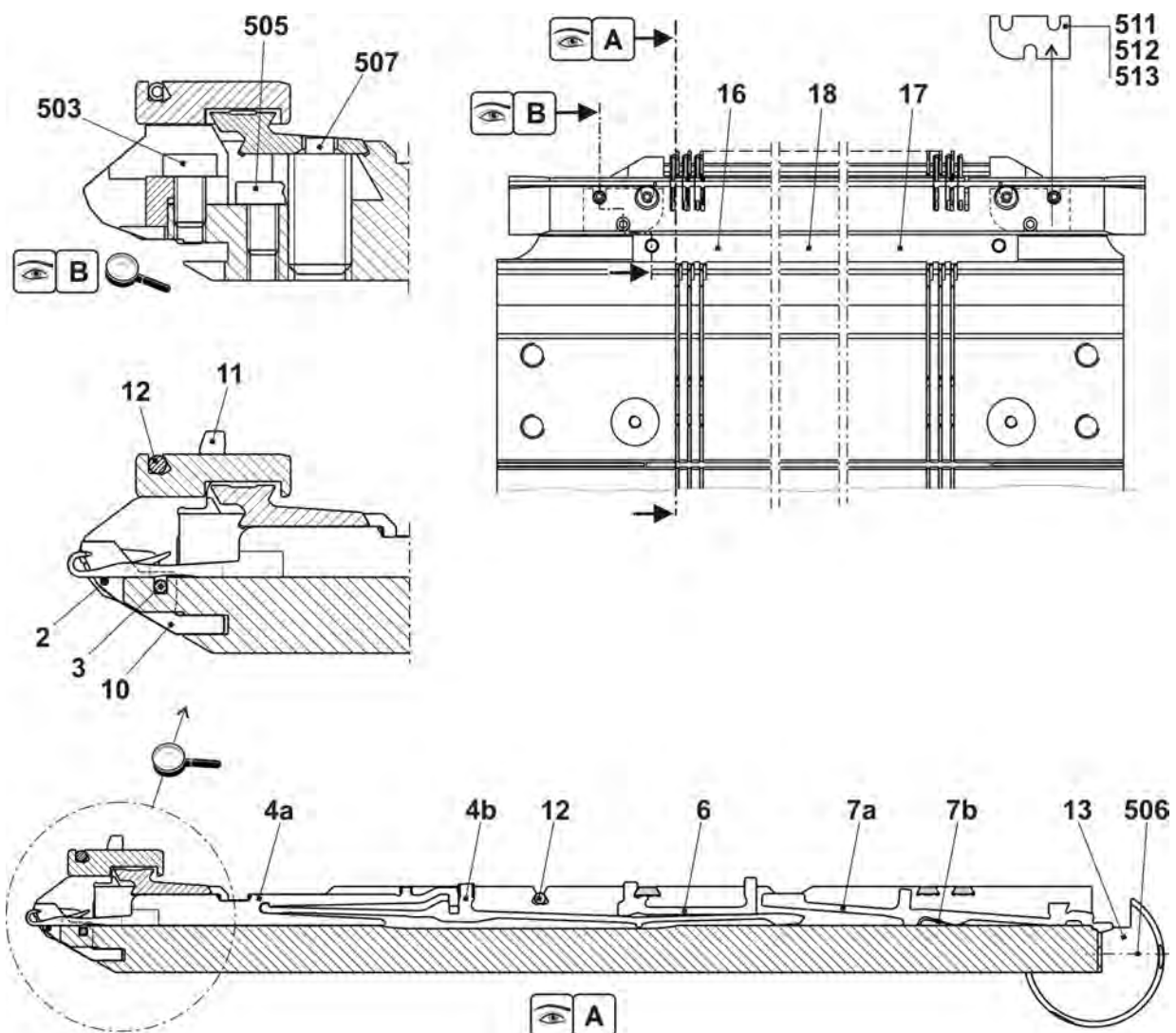


4 Needle beds



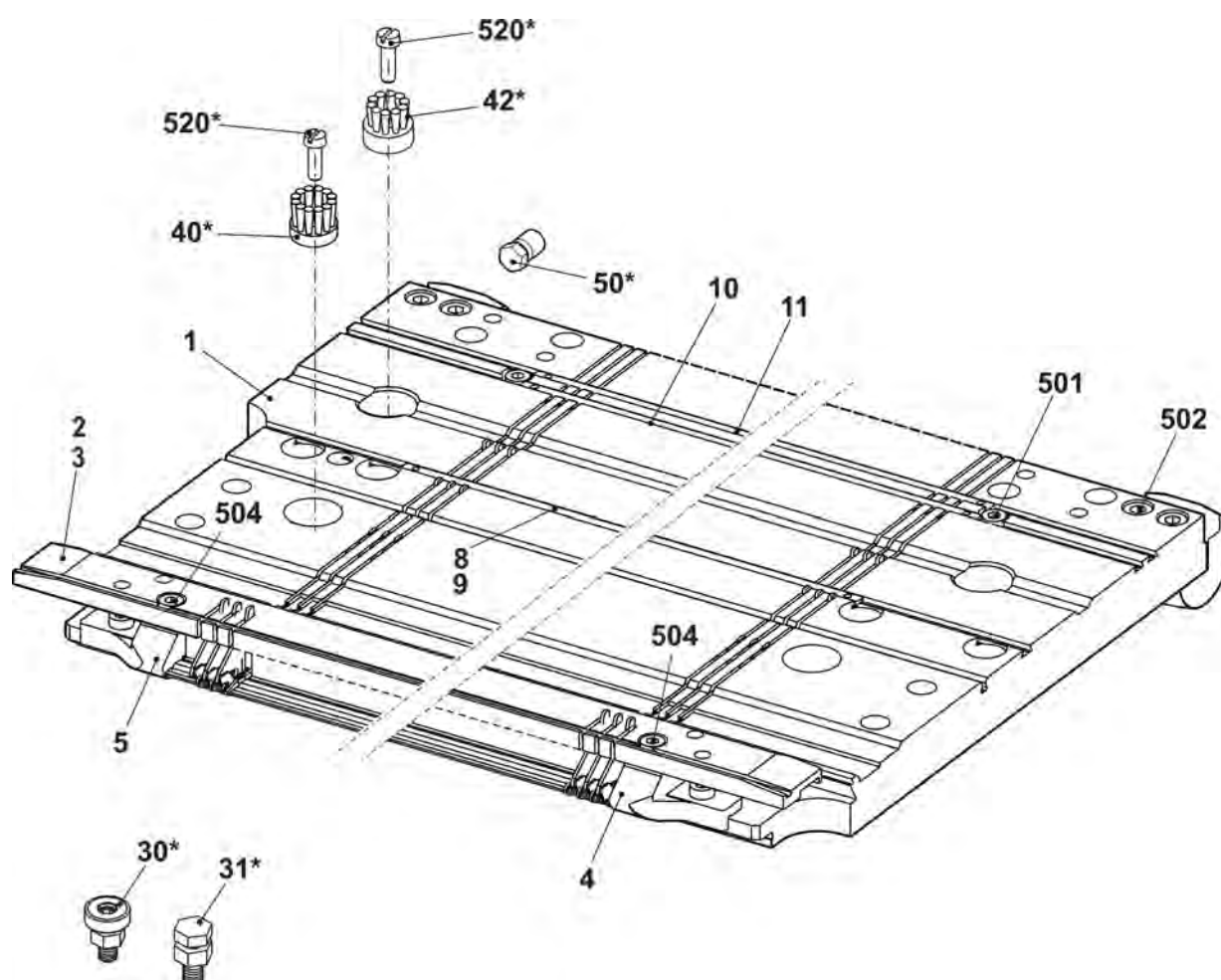
4.1 Needle bed E3,5.2 k&w

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rear E3,5.2	238 221	13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406	16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854	17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2	232 581	18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381	503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323	505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687	506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690	507	Springy thrust piece B-M10	023 177
10	Knock-over bit E3,5.2	229 034	511	Shim0,05x18,5x34	023 196
11	Holding-down jack breast	229 032	512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862	513	Shim0,2x18,5x34	023 253



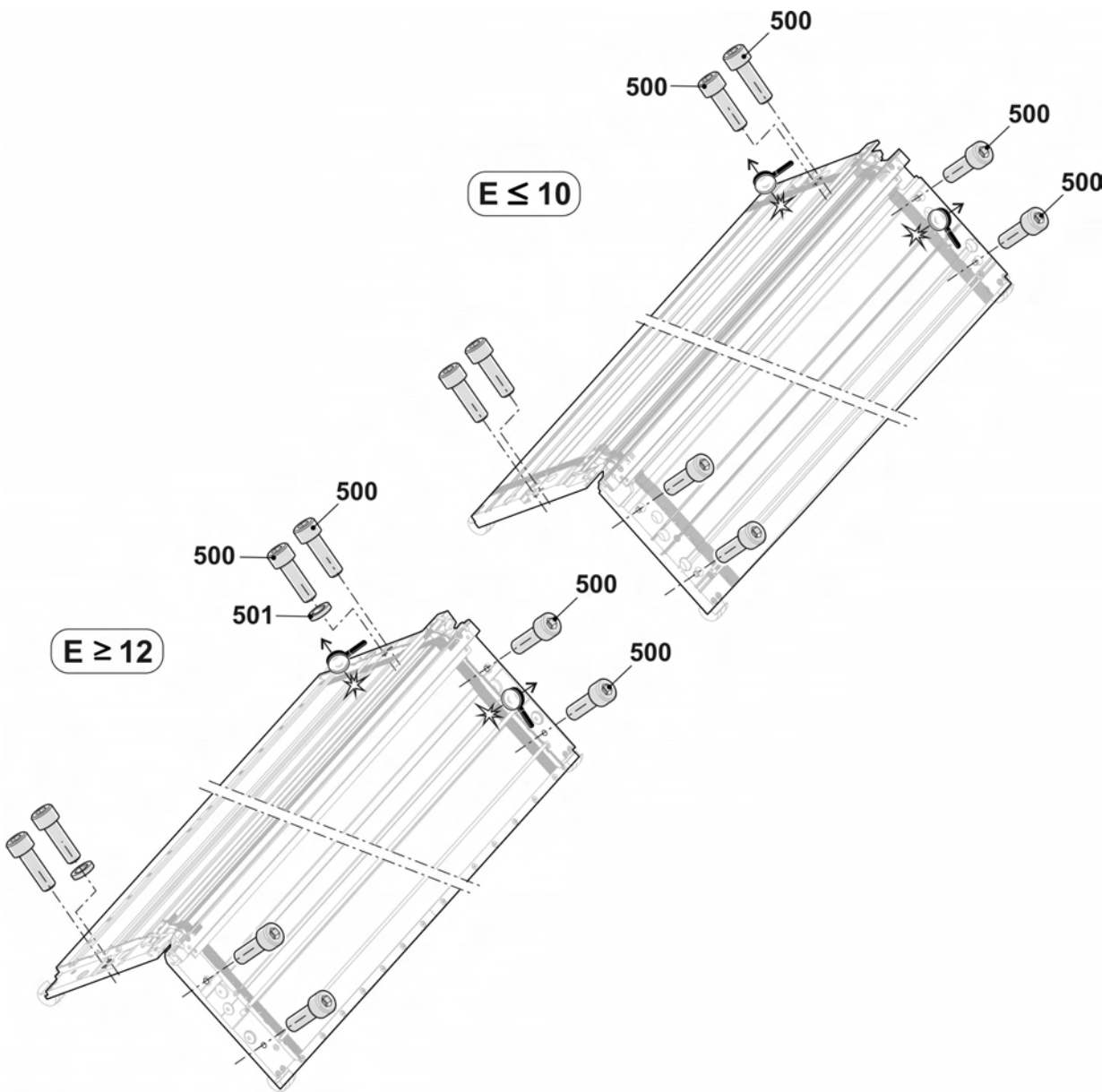
4.1.1 Continuation needle bed E3,5.2 k&w

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rear E3,5.2	238 221			
1	Needle bed at the front + rear E7	238 006	501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E3,5.2	237 498	502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E3,5.2	237 490	504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343	30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344	31*	Set screw complete	207 712
8	Cover rail at the rear	237 379	40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018	42*	Disk brush ø12	202 600
10	Cover rail	237 382	50*	Adjusting bolt	240 765
11	Cover rail	237 383	520*	Cap screw M5x12	020 032



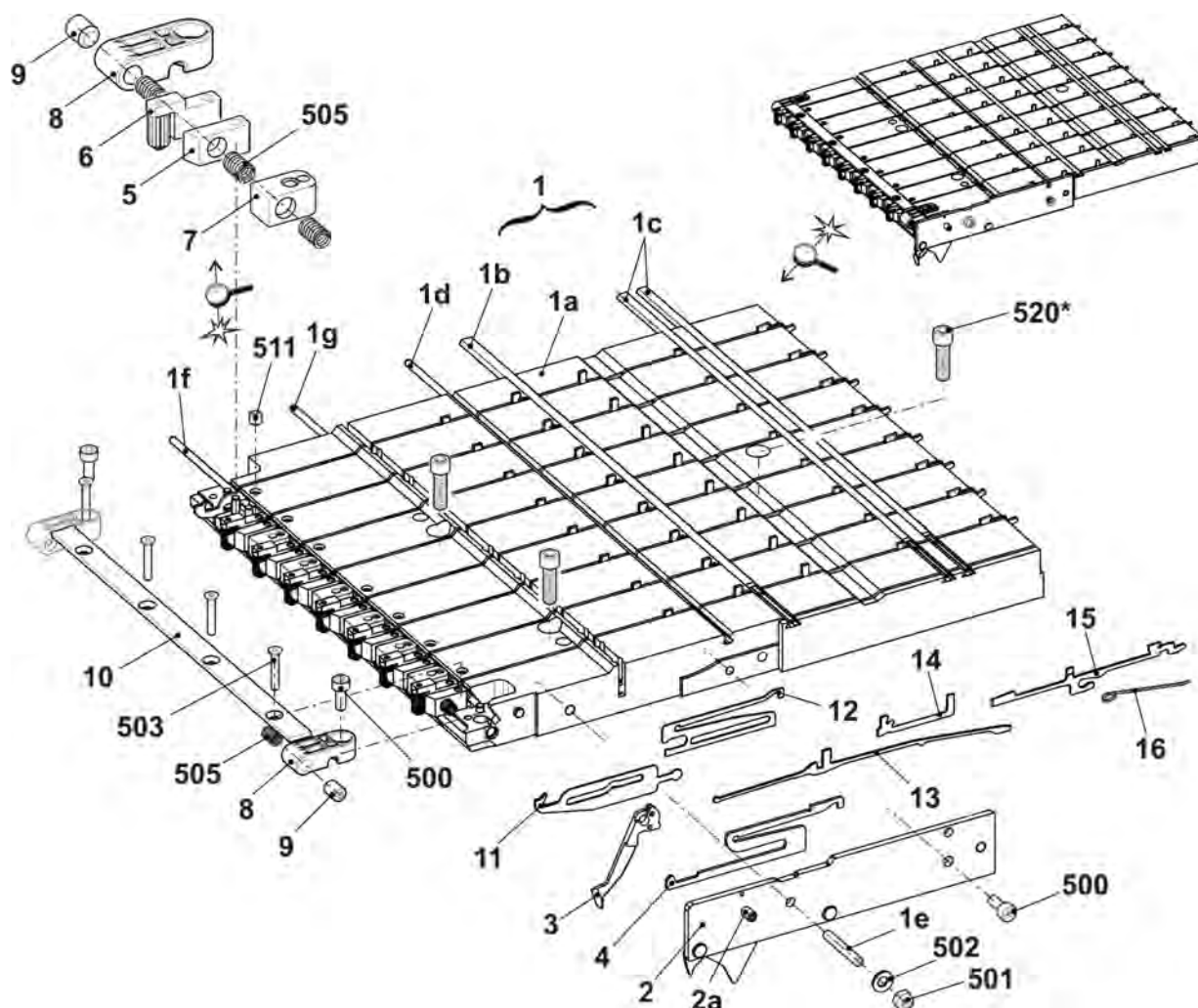
4.2 Needle beds, fixing elements

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Fixing elements				
500	Cap screw M8x25	020 142	501	Washer	214 040



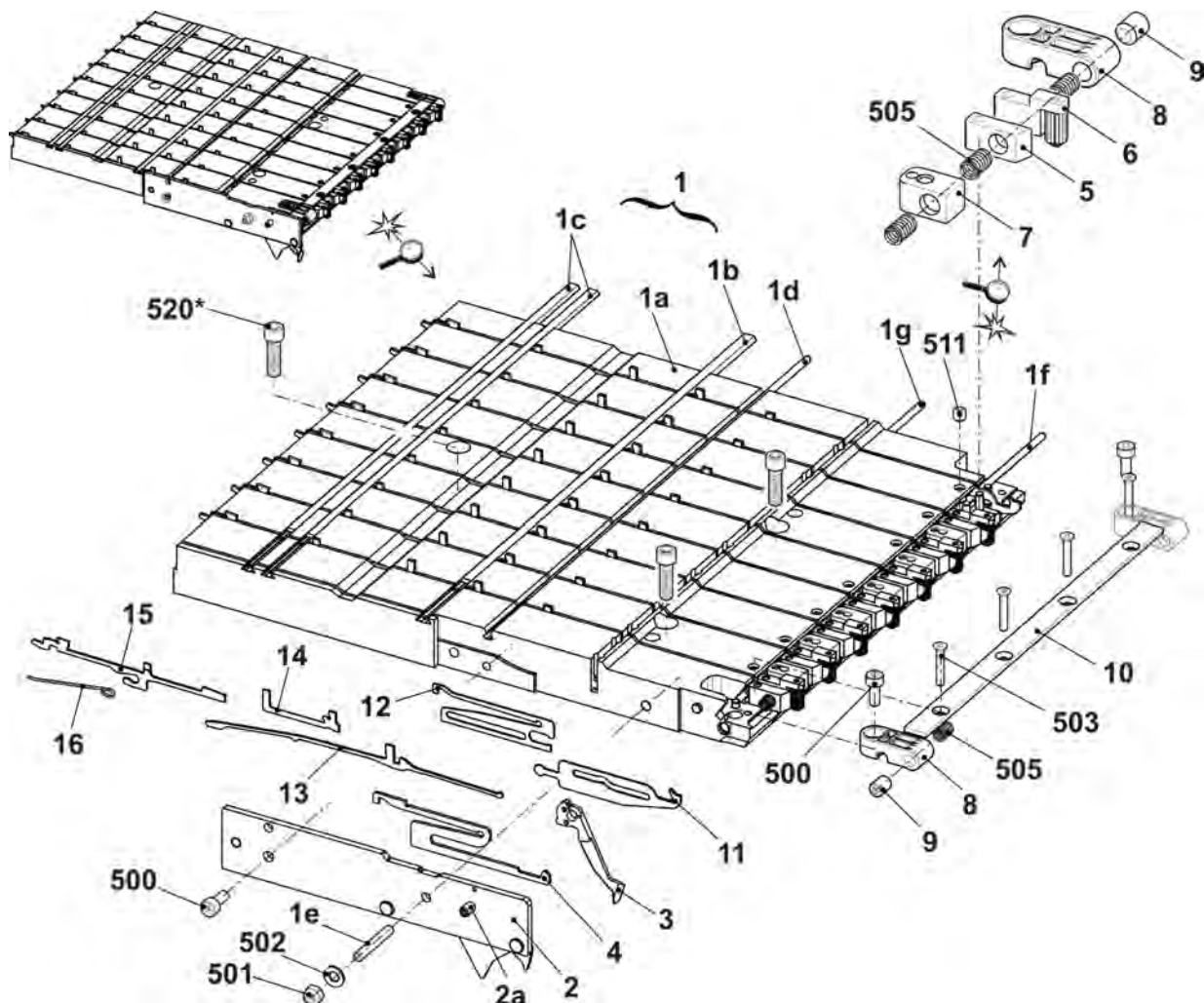
4.3 Clamping/cutting bed on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E2,5.2m.4L	260 088	7	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14	257 193	8	Spring holder	255 724
1a	Guide plate on the right E5-14	257 189	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the right E2,5.2m.4L	260 512
1d	Locating wire	253 172	12	Intermediate part E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the right complete E5-14	260 966	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the right E5-14	260 968	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	260 509	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the right complete	260 514	520*	Cap screw M6x20	244 824



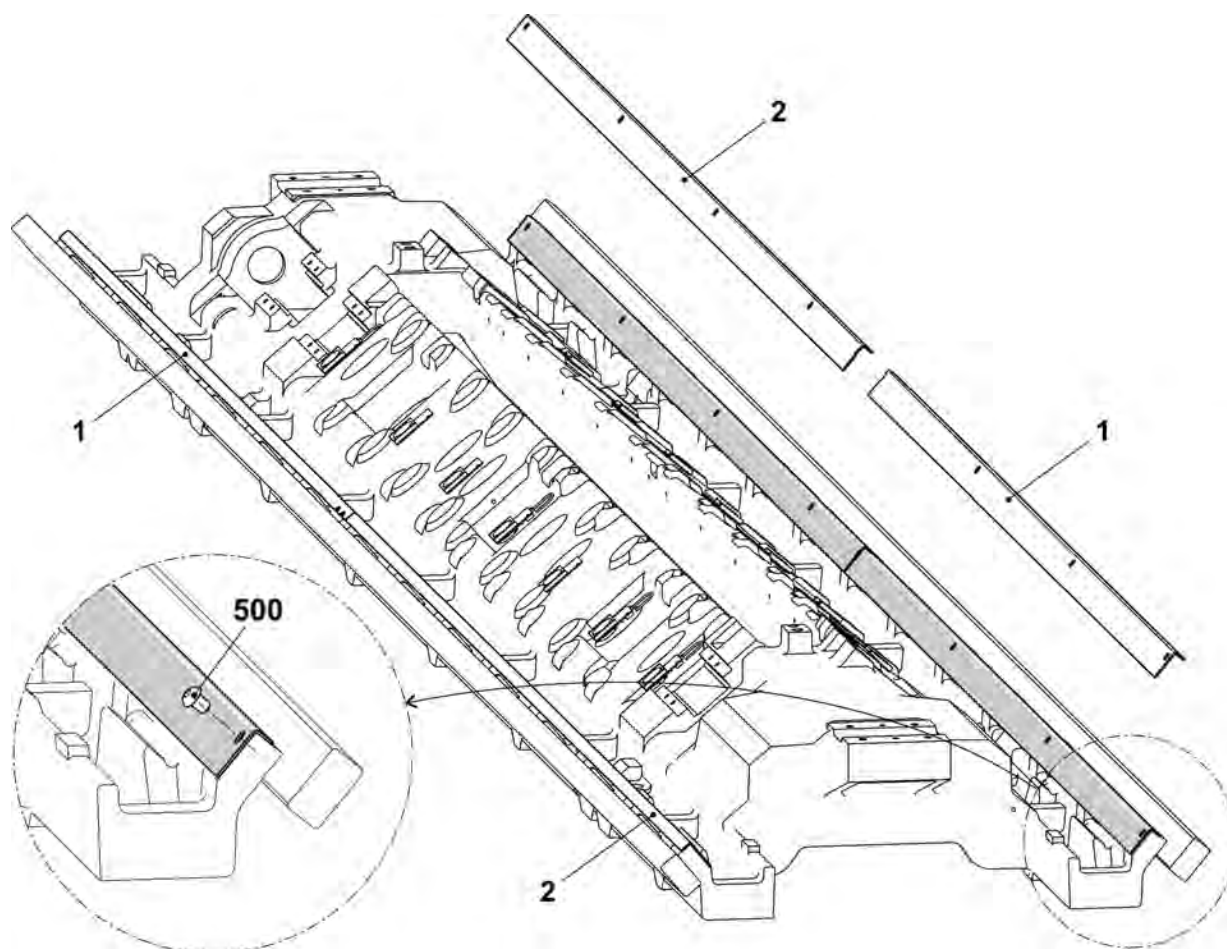
4.4 Left clamping/cutting bed

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Left clamping and cutting bed E2,5.2m.4L	260 089	7	Intermediate piece	255 719
1	Guide plate EPT on the left E5-14	257 194	8	Spring holder	255 724
1a	Guide plate on the left E5-14	257 190	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the left E2,5.2m.4L	260 510
1d	Locating wire	253 172	12	Intermediate part E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the left complete E5-14	260 967	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the left E5-14	260 969	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	260 509	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the left complete	260 513	520*	Cap screw M6x20	244 824

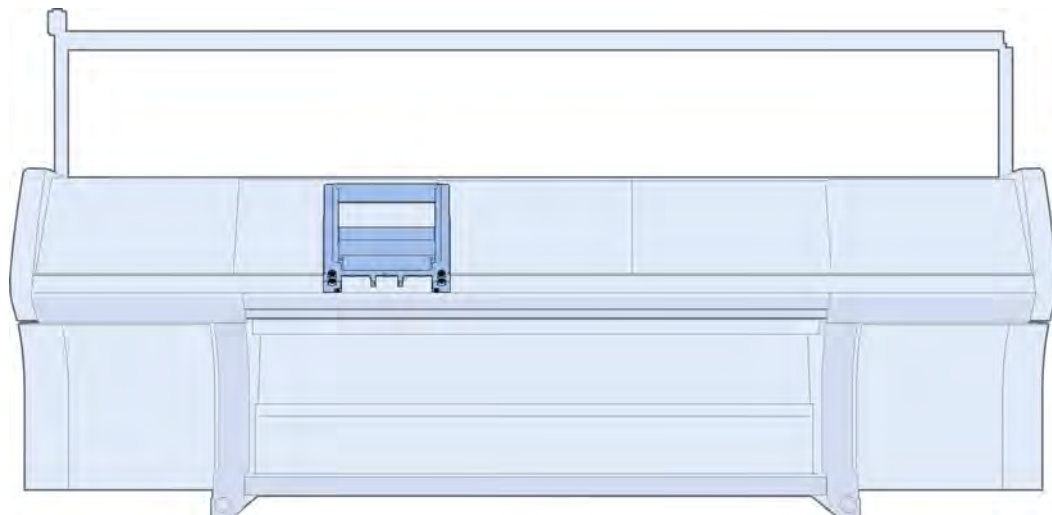


4.5 Cover on the left and on the right

Pos	Designation	Id. no.	Pos	Designation	Id. no.
1	Cover on the left	241 938	500	Pan-head screw M8x10	241 930
2	Cover on the right	241 939			

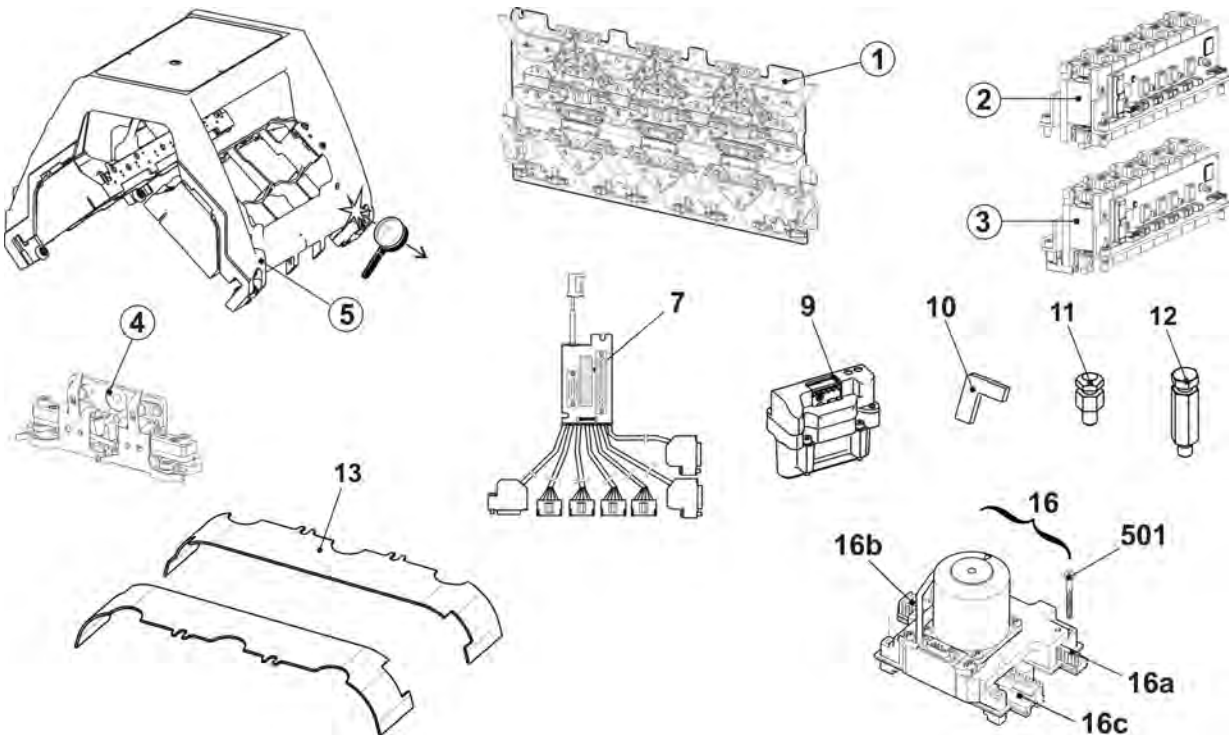


5 Carriage



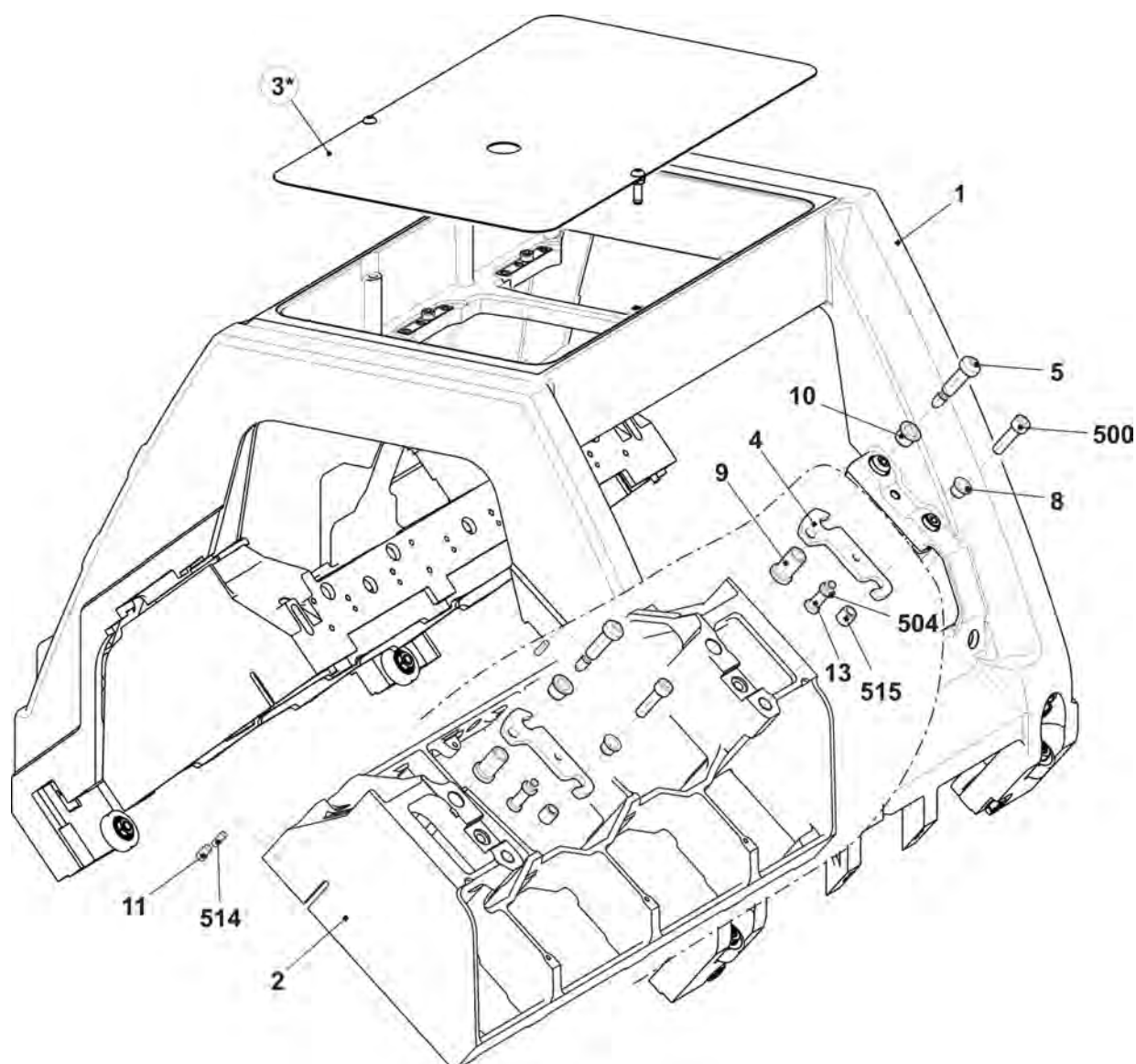
5.1 Overview of carriage

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage complete E5	268 175			
1	Cam box complete	241 566	11	Bolts	212 392
2	Holding-down jack control completeE5-8	241 515	12	Bolts	243 171
3	Carriage assembly 3 cam boxes complete6"	268 170	13	Cover plate at the top	265 390
4	Selection system completeE2-8	216 218	16	Motor unit complete(AT=711017)	253 531
2	FF driving outside complete	241 080	16a	Gear rack at the top	209 781
3	FF driving in the middle complete	241 081	16b	Gear rack in the middle	209 782
7	Distributor 933 6Z OKC3	259 673	16c	Gear rack at the bottom	209 783
10	Wiper (felt)	241 411	501	Screw M4x30	023 290



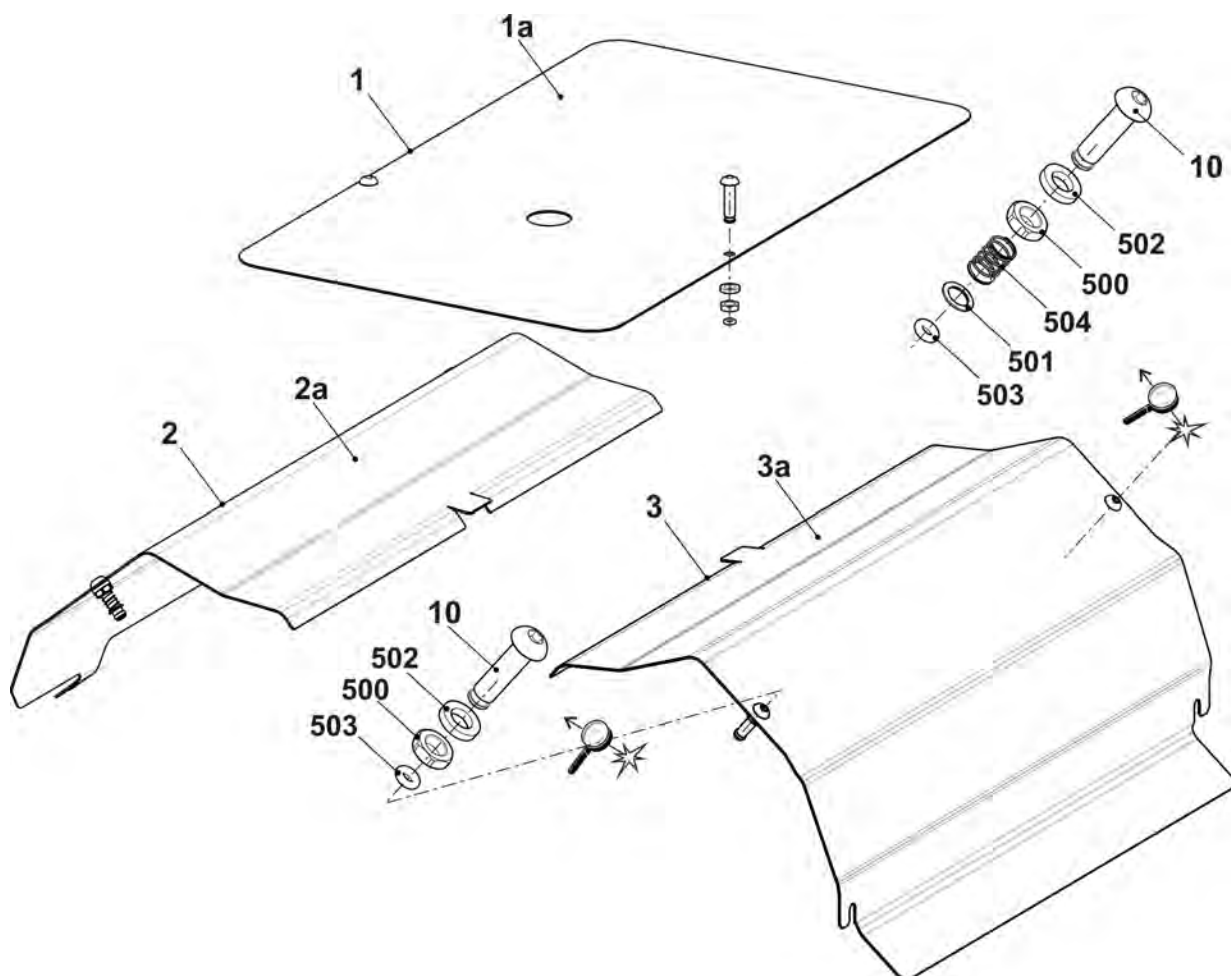
5.2 Carriage assembly

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage assembly 3 cam boxes complete	268 170			
1	Carriage frame	264 818	10	Bush	209 274
2	Carriage part, 3 cam boxes	253 005	11	Eccentric	222 983
3*	Carriage cover at the top, 3 cam boxes	257 100	13	Locating bolt linking spot	244 179
4	Shim	225 312	500	Cap screw M8x30	020 143
5	Shoulder screw	211 750	504	Circlip6	021 022
8	Bush	207 546	514	Dowel pin 5x14	020 670
9	Bush	209 275	515	Threaded bush M12x11,5	041 863



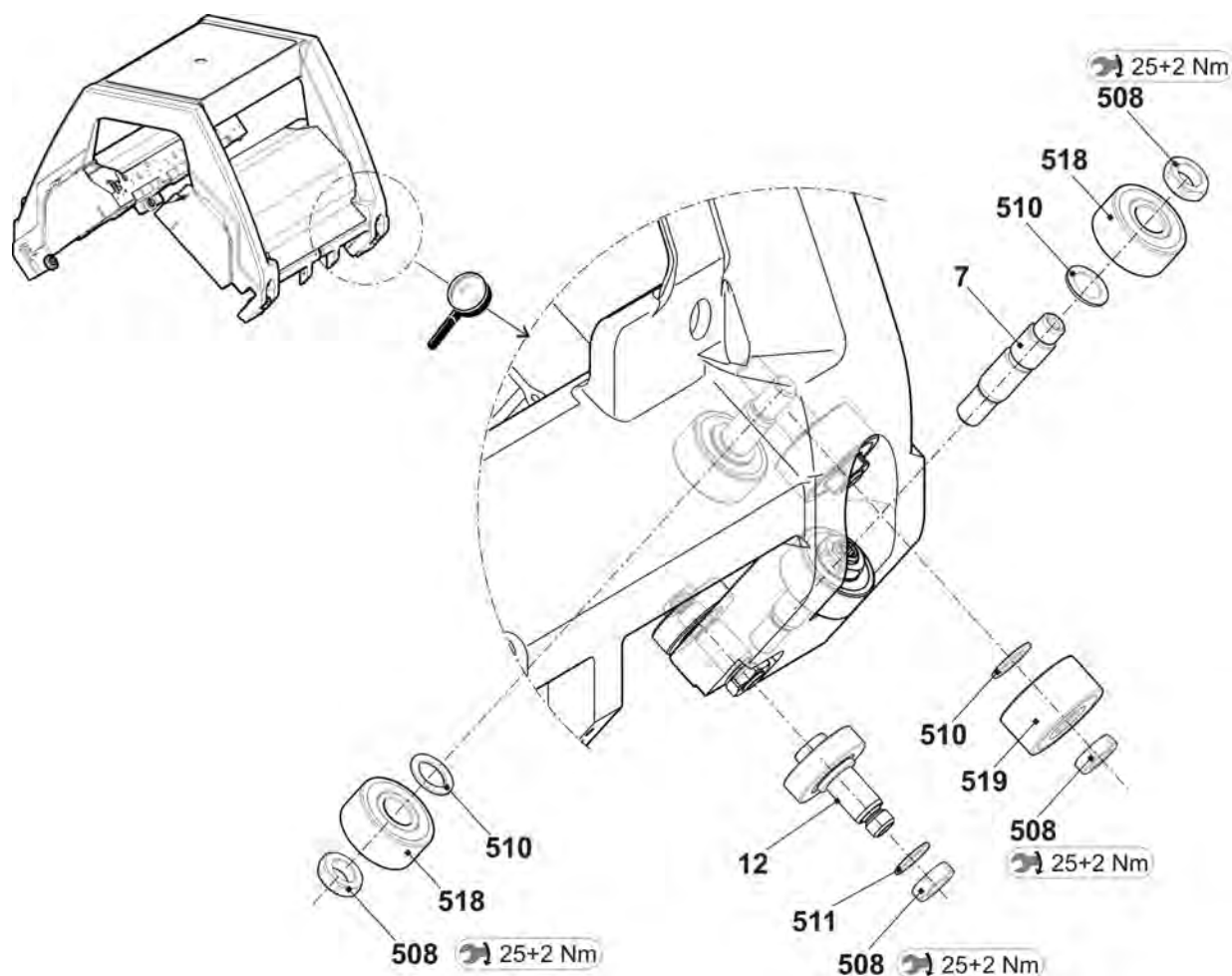
5.3 Carriage cover

Pos	Designation	Id	Pos	Designation	Id
1	Carriage cover at the top 3 cam boxes complete	257 100	10	Locating bolt	242 382
	1a Carriage cover at the top 3 cam boxes 6Z	256 510	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 3 cam boxes	257 161	501	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 3 cam boxes	256 736	502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 3 cam boxes complete	257 160	503	O-ring 3x2	242 420
	3a Carriage cover front 3 cam boxes	256 735	504	Compression spring 0,48x7,02x17,29	023 654



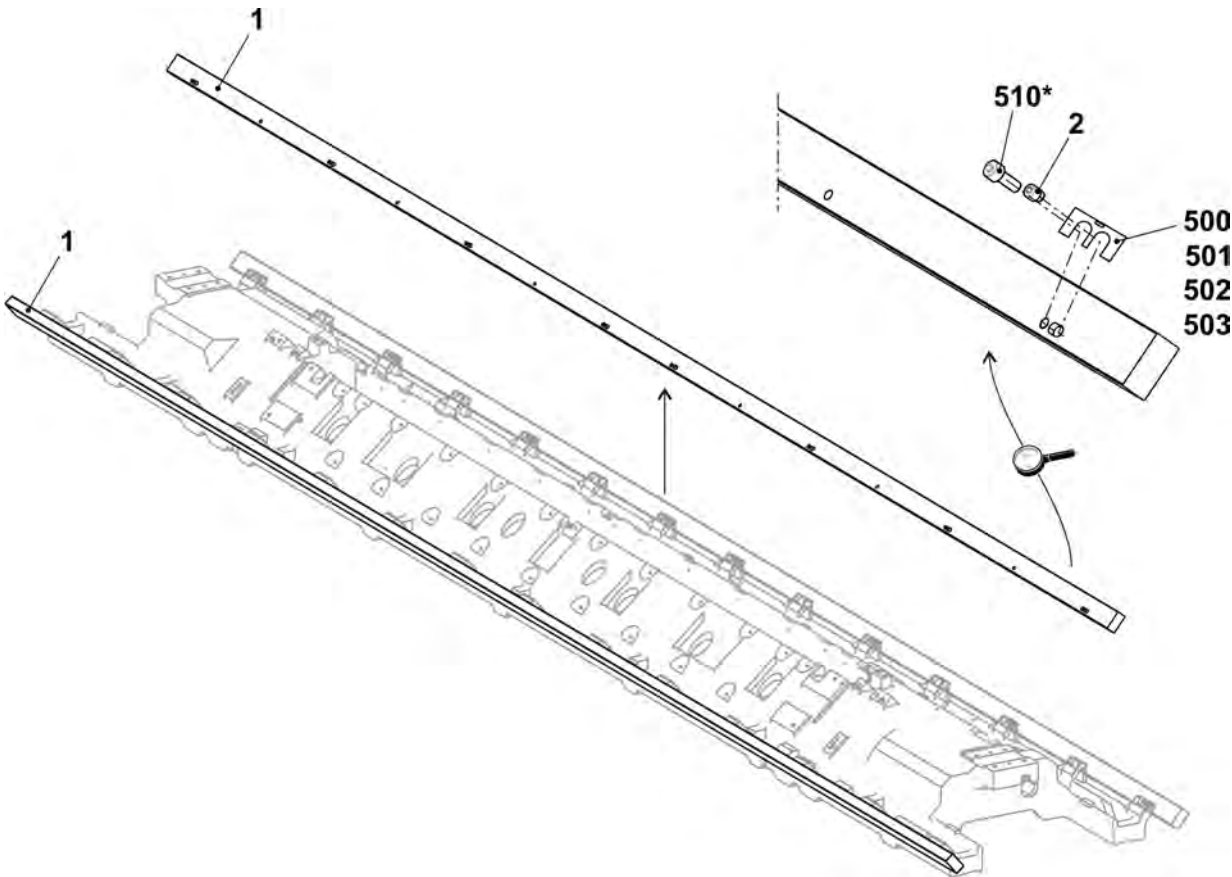
5.4 Carriage guide

Pos	Designation	Id	Pos	Designation	Id
7	Bearing bolt eccentric 0,5	240 624	511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283	518	Grooved ball bearing 62201-2RS	241 408
508	NutM10	023 316	519	Grooved ball bearing 62300-2RS1	242 070
510	Shim ring 12x18x1	023 315			



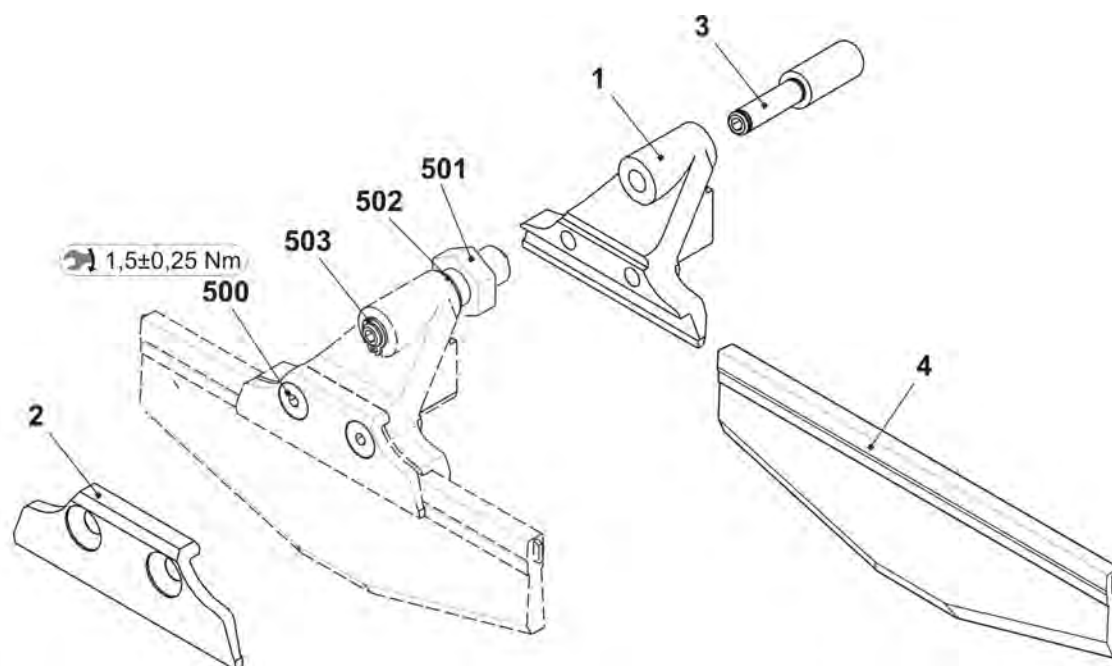
5.5 Spare parts package carriage guide bar

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Spare parts package carriage guide bar84"	252 993	501	Shim0,05x22x42	243 291
1	Carriage guide rail	242 486	502	Shim0,10x22x42	243 292
2	Adjusting eccentric	241 219	503	Shim0,20x22x42	243 293
500	Shim0,03x22x42	243 289	510*	Cap screw M8x20	020 141



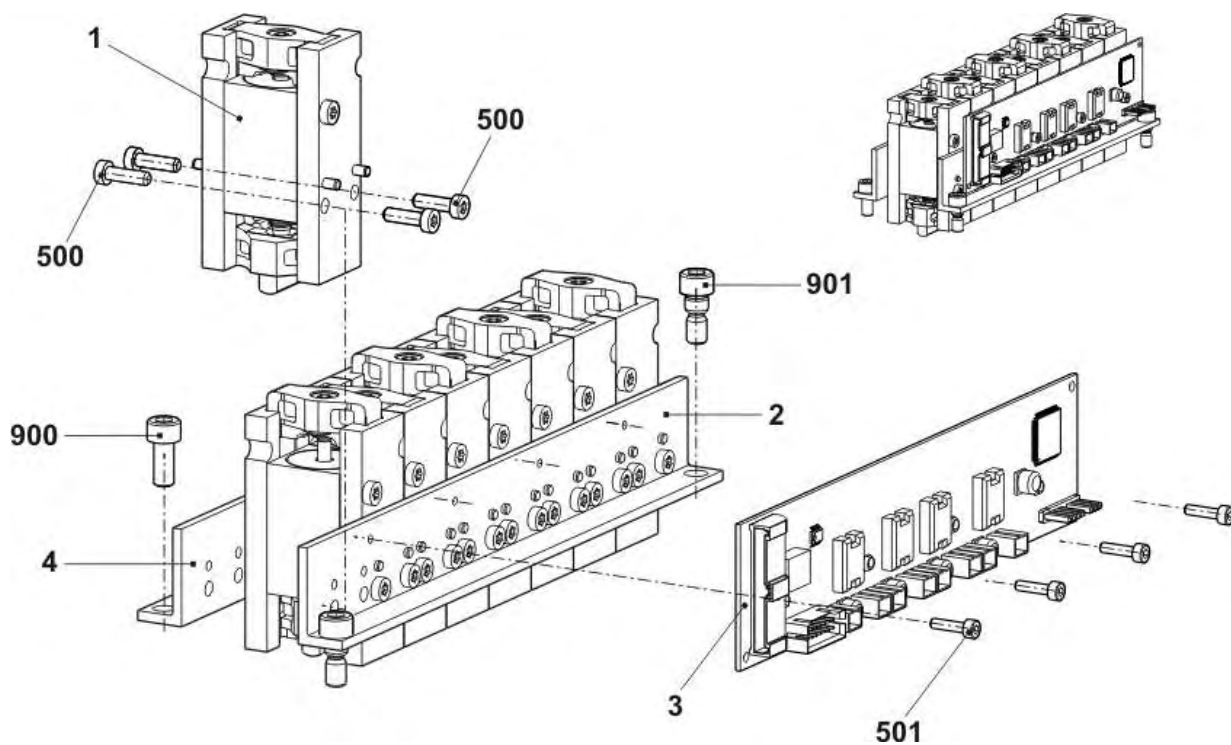
5.6 Brush holder

Pos	Designation	Id	Pos	Designation	Id
Σ	Brush holder completeE5-8	213 710			
1	Brush holder	213 009	500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
4	Brush	203 254	503	Retaining ring5x0,6	023 347



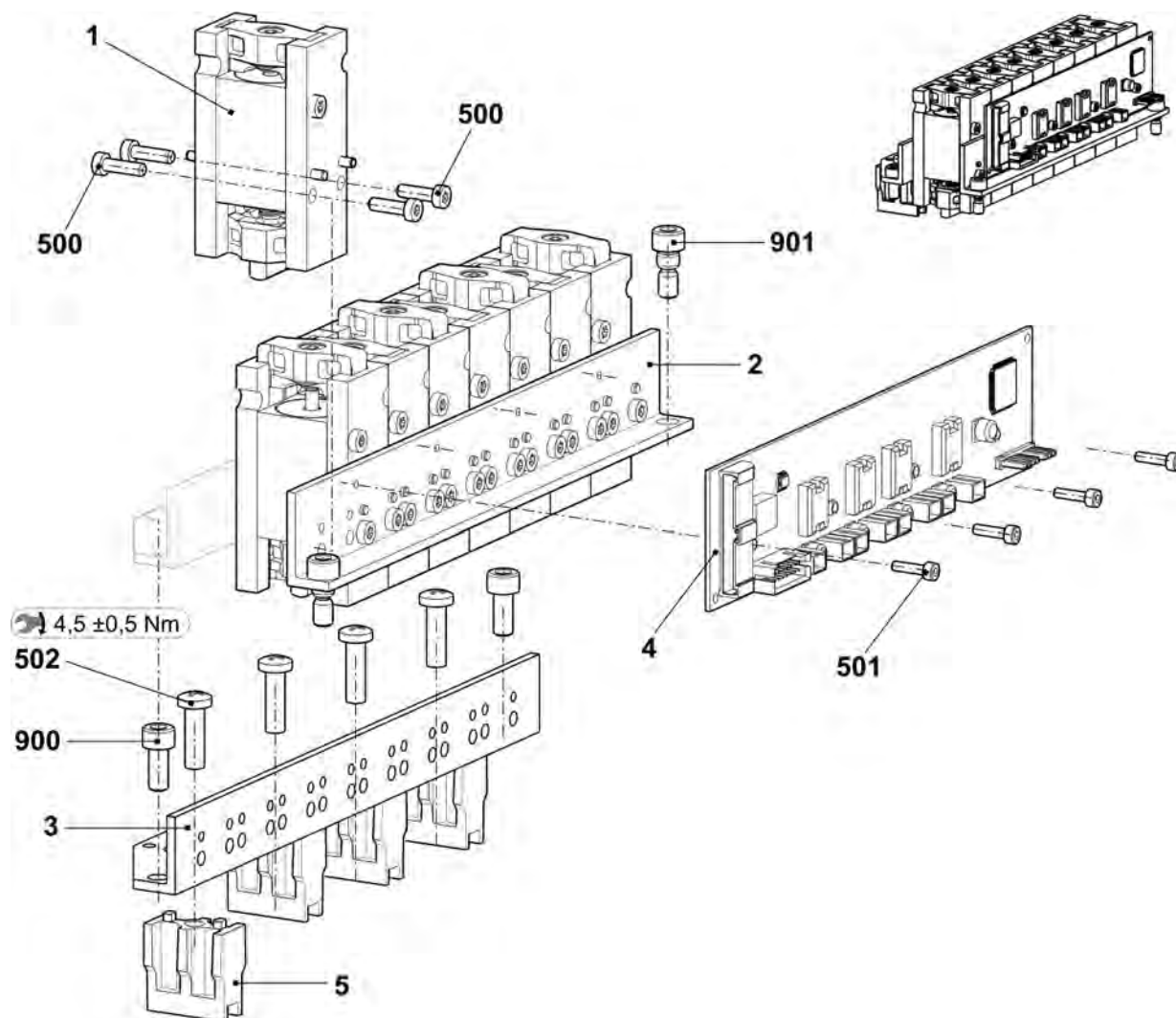
5.7 Yarn carrier driving without guide part

Pos	Designation	Id	Pos	Designation	Id
Σ	YC driving outside complete	241 080			
1	Yarn carrier plunger complete	242 214	500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038	501	Cap screw M3x12-12.9	022 648
3	Card yarn carrier final stagesOKC	300 960	900	Cap screw M6x14	022 658
4	Holding angle for YC driving	242 903	901	Shoulder screw	231 899



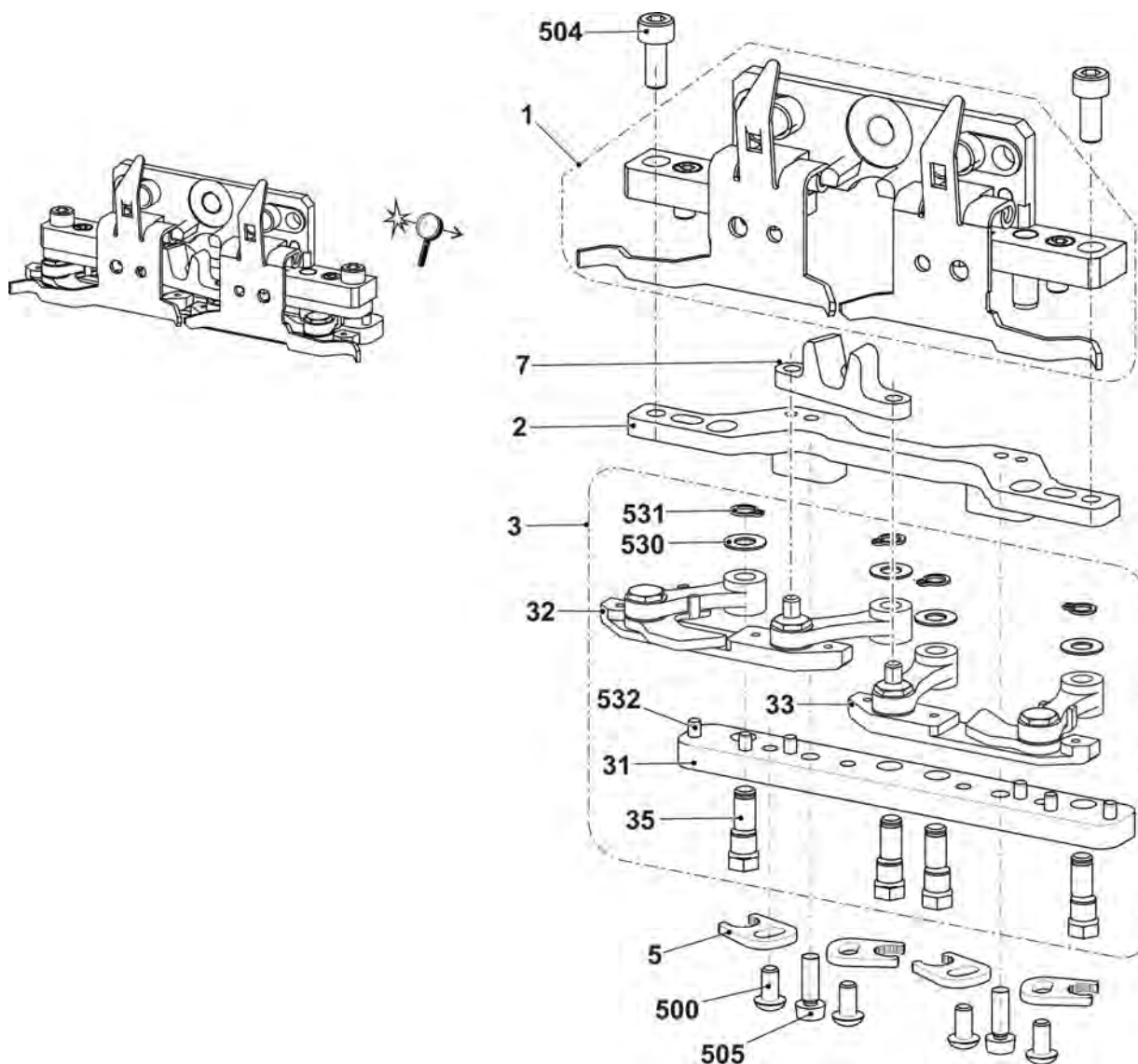
5.8 Yarn carrier driving with guide part

Pos	Designation	Id	Pos	Designation	Id
Σ	FF driving in the middle complete	241 081			
1	Yarn carrier plunger complete	242 214	500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038	501	Cap screw M3x12-12.9	022 648
3	Holding angle for YC driving	241 044	502	Screw KB60X20	243 625
4	Card yarn carrier final stagesOKC	300 960	900	Cap screw M6x14	022 658
5	Guide part	239 972	901	Shoulder screw	231 899



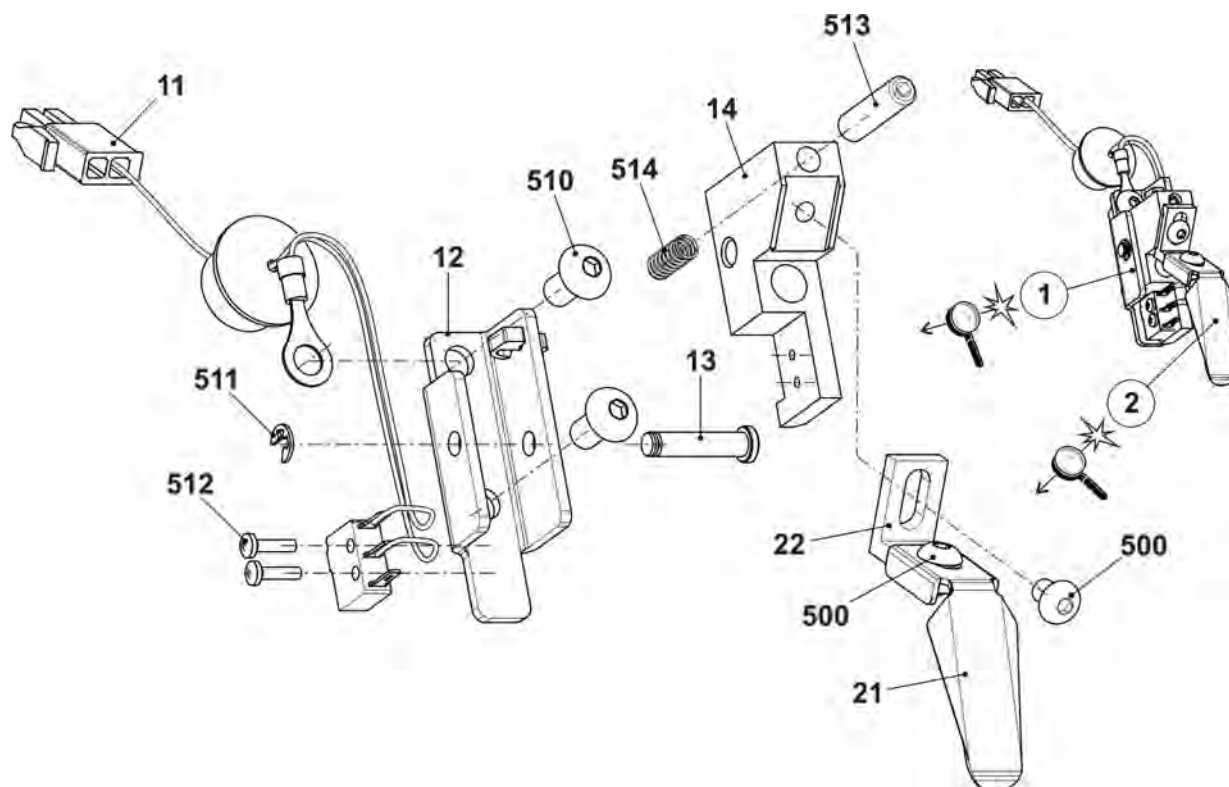
5.9 Holding-down jack control

Pos	Designation	ID	Pos	Designation	ID
Σ	Holding-down jack control complete E5-8	241 515			
1	Assembly plate complete	244 234	7	Plunger	210 559
2	Connection plate	241 326	500	Pan head screw M4x8	023 579
3	Jack cam plate complete E5-8	241 521	504	Cap screw M5x12	020 132
5	Adjusting plate	256 388	505	Cap screw M4x12	241 859



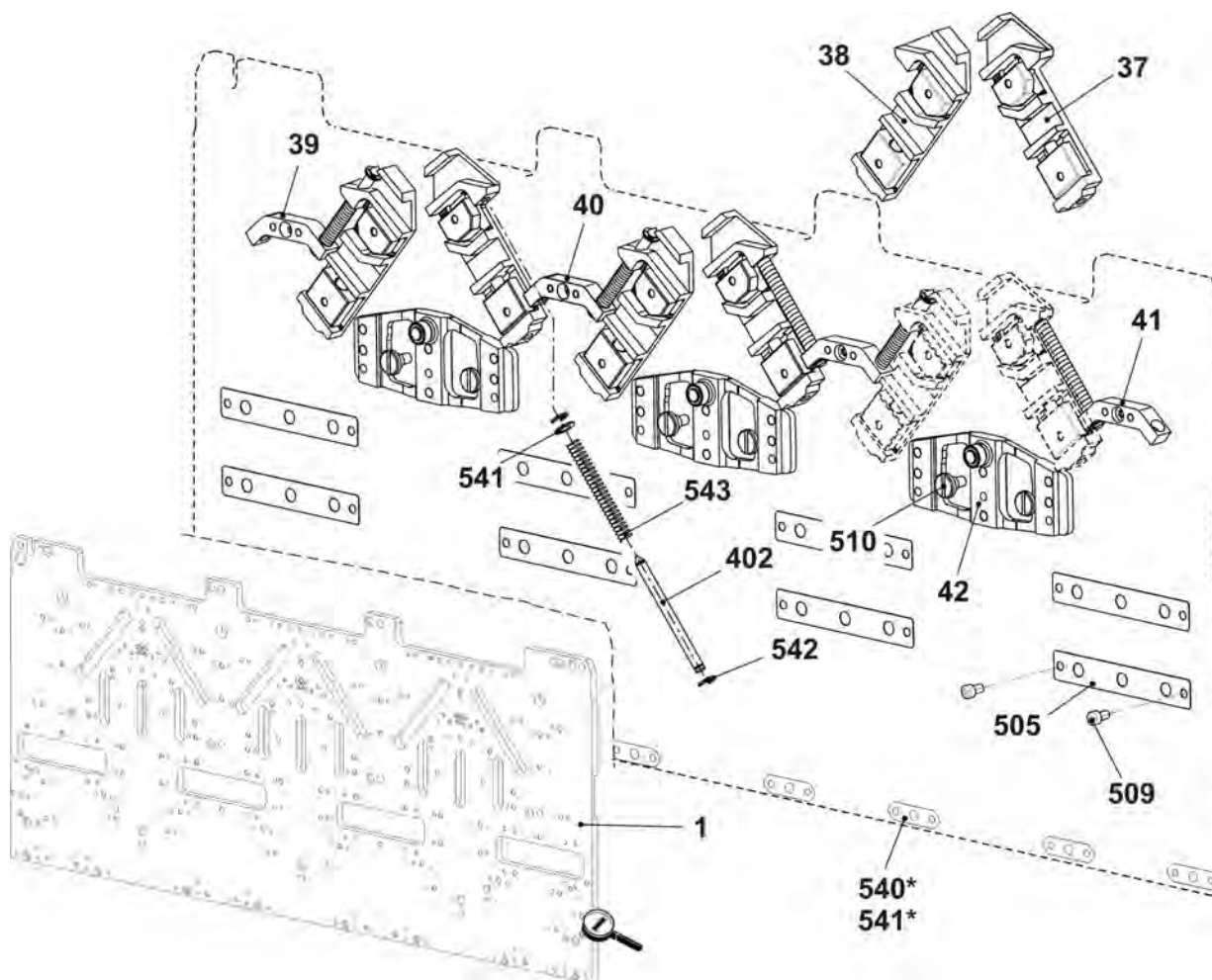
5.10 Needle detector

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle detector	221 238		512 Pan-head screw M2x8	258 310
1	Needle detector pre-assembled	221 773		513 Setscrew M5x20	023 526
	11 Cable of needle detector complete	221 207		514 Compression spring 4,3x0,45x10	021 398
	12 Retainer	220 464	2	Sensor pre-assembled	221 758
	13 Bolts	258 390		21 Sensor	220 839
	14 Switch rocker	220 637		22 Angle	221 175
	510 Pan-head screw M5x10	023 247		500 Pan-head screw M4x6	023 427
	511 Circlip	021 018	500	Pan-head screw M4x8	023 579



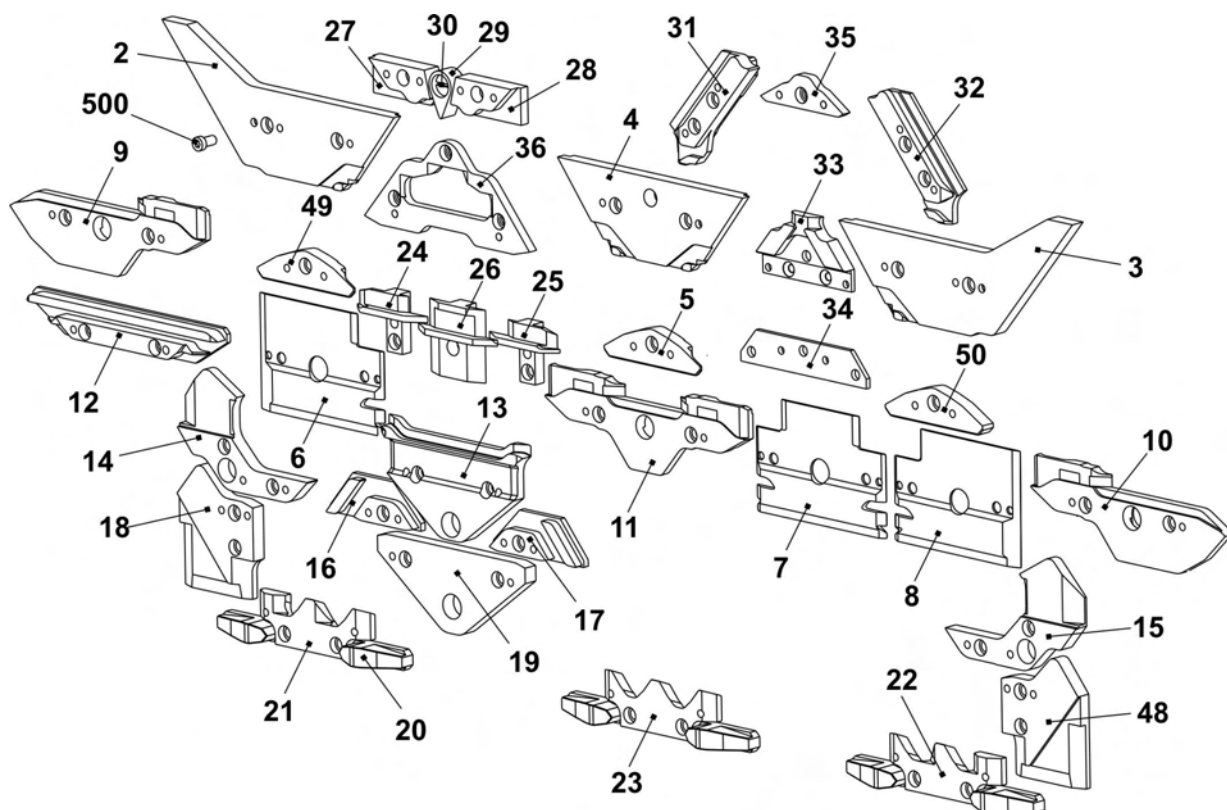
5.11 Cams

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E5	241 566			
1	Cam plate	240 371	41	542 Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10	211 163		543 Compression spring	250 515
38	Loop sinking cam on the left completeE5 - E10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	505	Shim0,5x12x75	236 654
40	Rod guide element in the middle	211 166	540*	Shim0,3x8x28	023 452
41	Rod guide element on the right	211 168	541*	Shim0,5x8x28	023 020
	402 Spring rod	209 791	509	Pan head screw M3x4	023 142
	541 Disk4,1x6x0,5	022 893	510	Shoulder screw	239 626

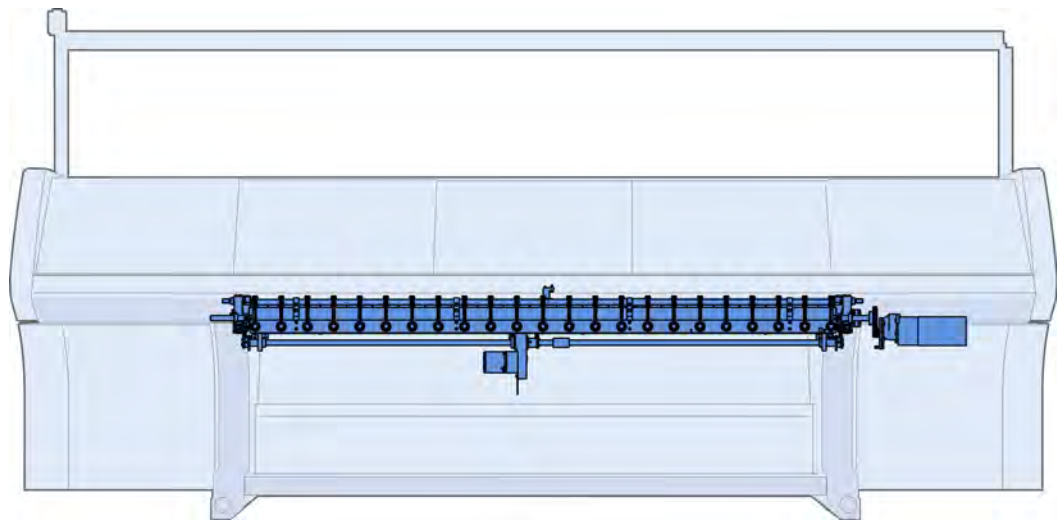


5.11.1 Cams, continuation

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left	213 304	22	Selection cam on the right	212 947
3	Entry cam on the right	213 303	23	Selection cam	212 946
4	Entry cam at the top	210 285	24	Pressure cam receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 E3,5.2	235 719	25	Pressure cam receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure cam	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E5	210 289
8	Plate on the right	260 606	28	Limiting cam on the right E5	210 290
9	Cam on the left	231 039	29	Pointer E2,5.2 E3,5.2	229 505
10	Cam part at the right	231 041	30	Screw	210 335
11	Cam part at the center	231 040	31	Stitch cam on the left E2,5.2 E3,5.2	235 712
12	Cam part	260 592	32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam part	210 254	33	Tuck limiting cam E5	214 051
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E5	210 386
16	Cam on the left	236 192	36	Raising cam without split-stitch E5	213 302
17	Cam part at the right	236 193		Raising cam with split-stitch E5 Accessories	213 294
18	Cam on the left	212 274	48	Cam part at the right	212 275
19	Cam part	210 252	49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185	50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091

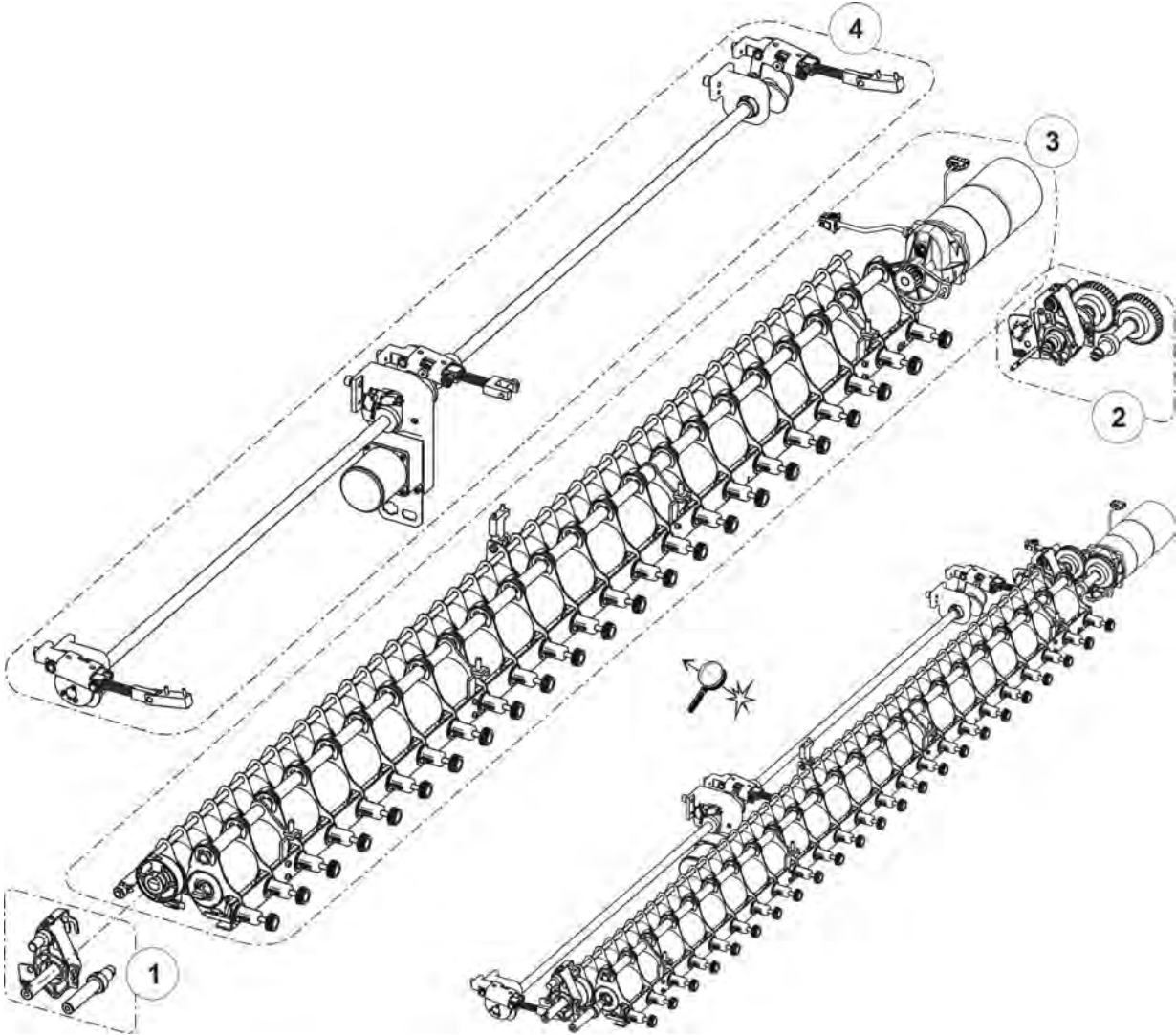


6 Main take-down



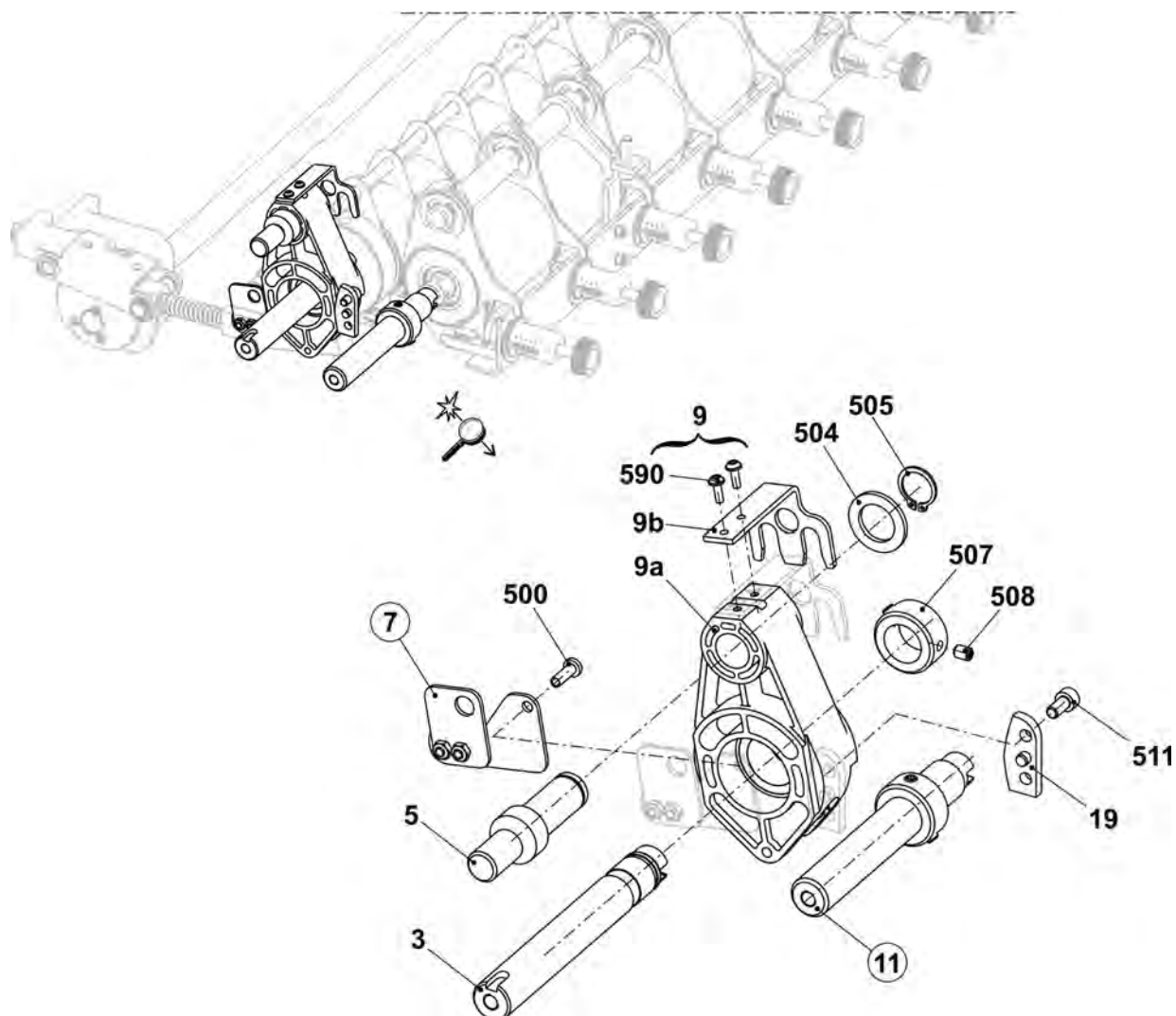
6.1 Main Take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down				
1	Main take-down on the left	255 257	4	Main take-down on / off complete 84"	253 387
2	Main take-down on the right	255 258	3	Main take-down in the middle E5-14	255 249



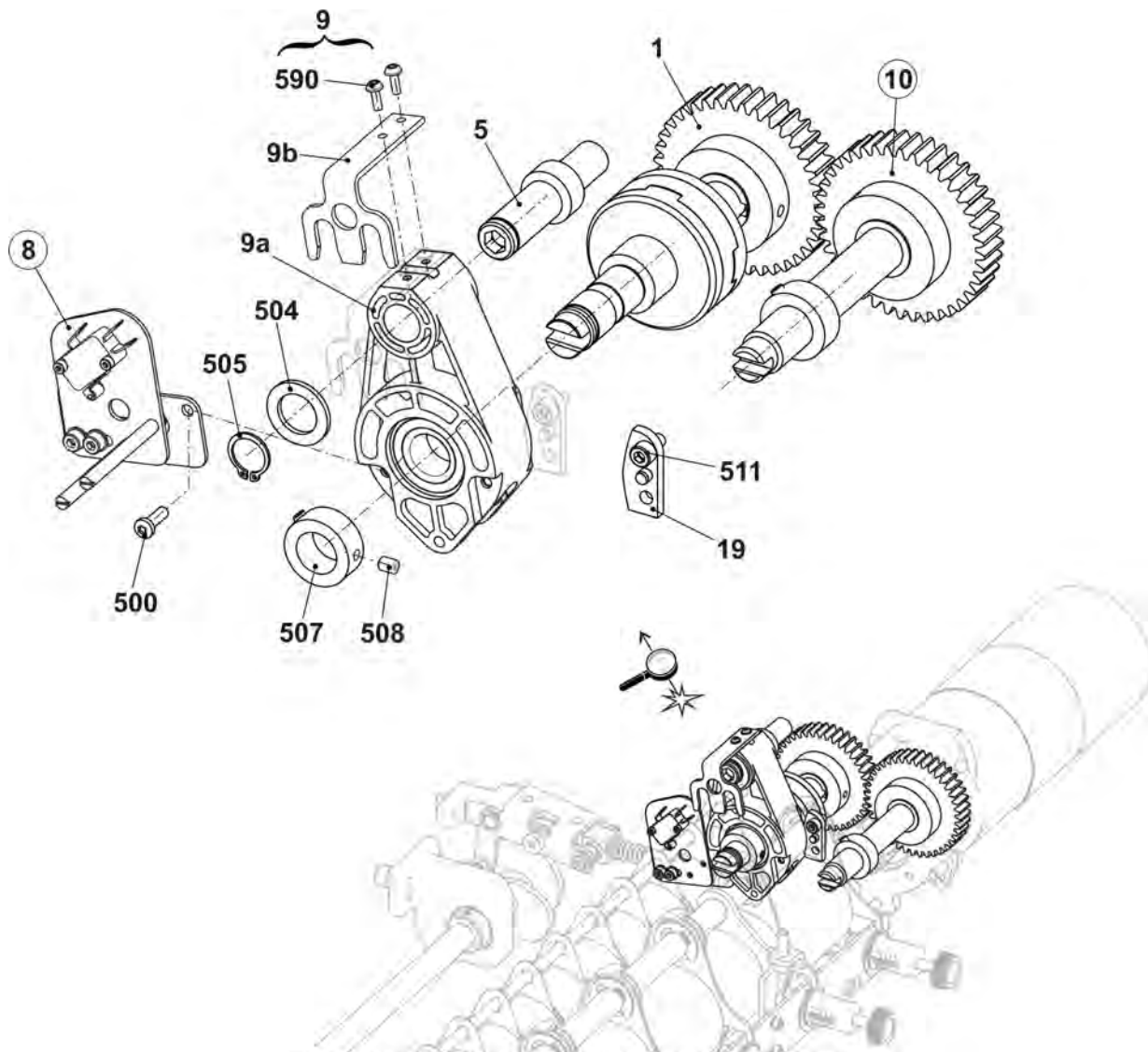
6.2 Main take-down on the left

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down on the left	255 257	11	Full floating axle on the left	237 354
3	Shaft on the left at the rear	255 305	19	Stop point	252 503
5	Bolts	208 538	500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725	504	Washer 18	023 295
9	Swivel-mounted bearing	253 247	505	Retaining ring 18x1,2	020 955
9a	Swivel-mounted bearing	253 200	507	Set collar	020 938
9b	Sheet metal support	253 212	508	Setscrew	022 684
590	Screw 35x10	251 729	511	Cap screw M6x12	020 134



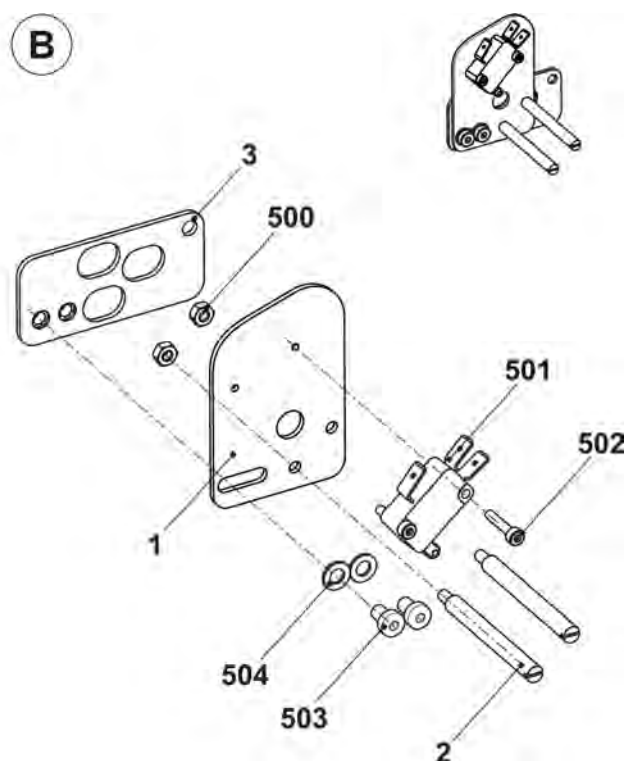
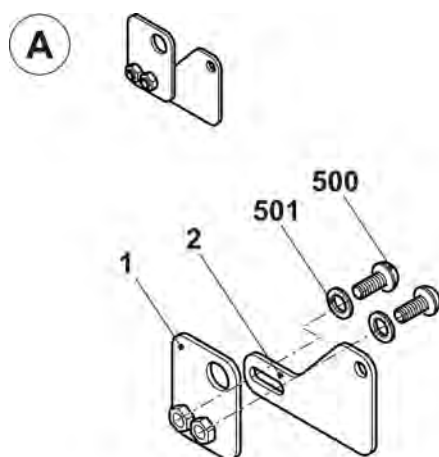
6.3 Main take-down on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on the right	255 258	10	Full floating axle on the right	237 353
1	Clutch set	253 260	19	Stop point	252 503
5	Bolts	208 538	500	Screw 50x15	251 728
8	Mounting plate on the right complete	260 090	504	Washer 18	023 295
9	Swivel-mounted bearing	253 247	505	Retaining ring 18x1,2	020 955
9a	Swivel-mounted bearing	253 200	507	Set collar A20	020 938
9b	Sheet metal support	253 212	508	Set screw M6x8	022 684
590	Screw 35x10	251 729	511	Cap screw M6x12	020 134



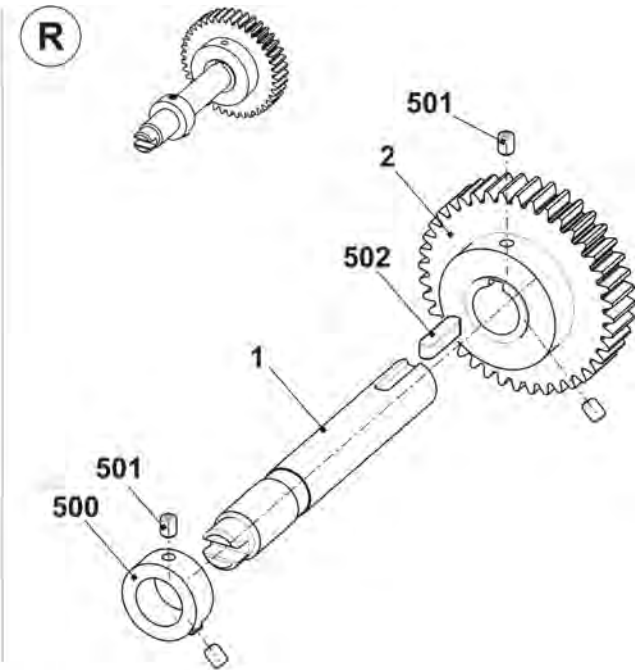
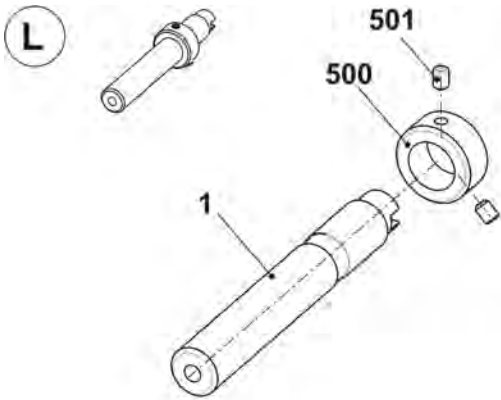
6.3.1 Mounting plate on the left and right

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725	2	Shoulder screw	240 067
1	Mounting plate on the left	231 541	3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539	500	Hexagon nut M4-6	022 536
500	Pan-head screw M5x10	023 247	501	Microswitch	026 259
501	Serrated lock washer J5,3	022 489	502	Cap screw M3x16	022 583
Σ B	Mounting plate on the right complete	260 090	503	Cap screw M5x8	244 278
1	Mounting plate on the right	260 067	504	Washer 5-200	020 871



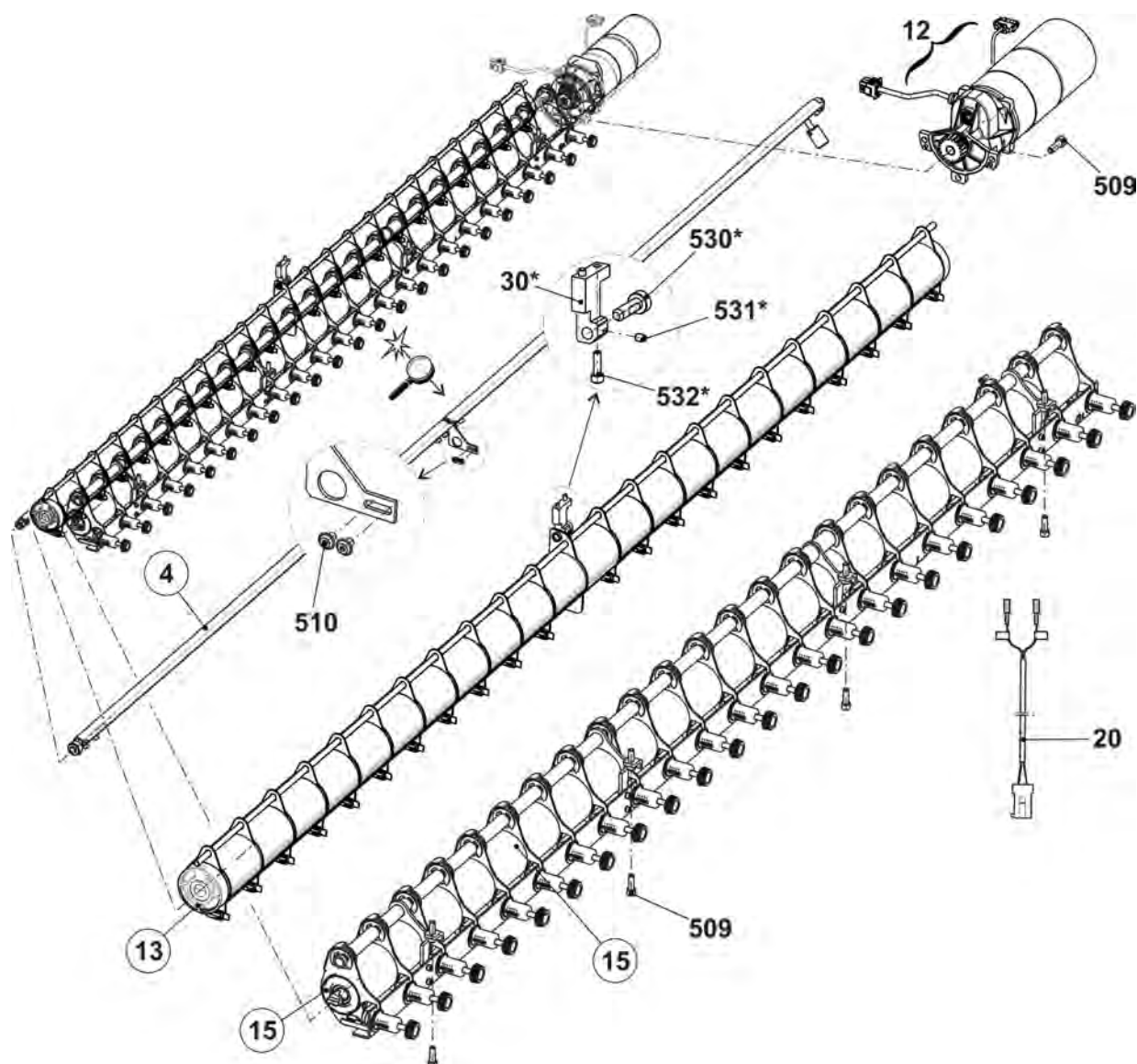
6.3.2 Full floating axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ L	Full floating axle on the left	237 354	Σ R	Full floating axle on the right	237 353
1	Shaft on the left at the front	237 334	1	Shaft on the right in front	237 340
500	Set collar	020 938	2	Gear wheel Z=40, M=2	213 744
501	Setscrew M6x8	022 684	500	Set collar	020 938
			501	Setscrew M6x8	022 684
			502	Feather key A 6x6x25	023 017



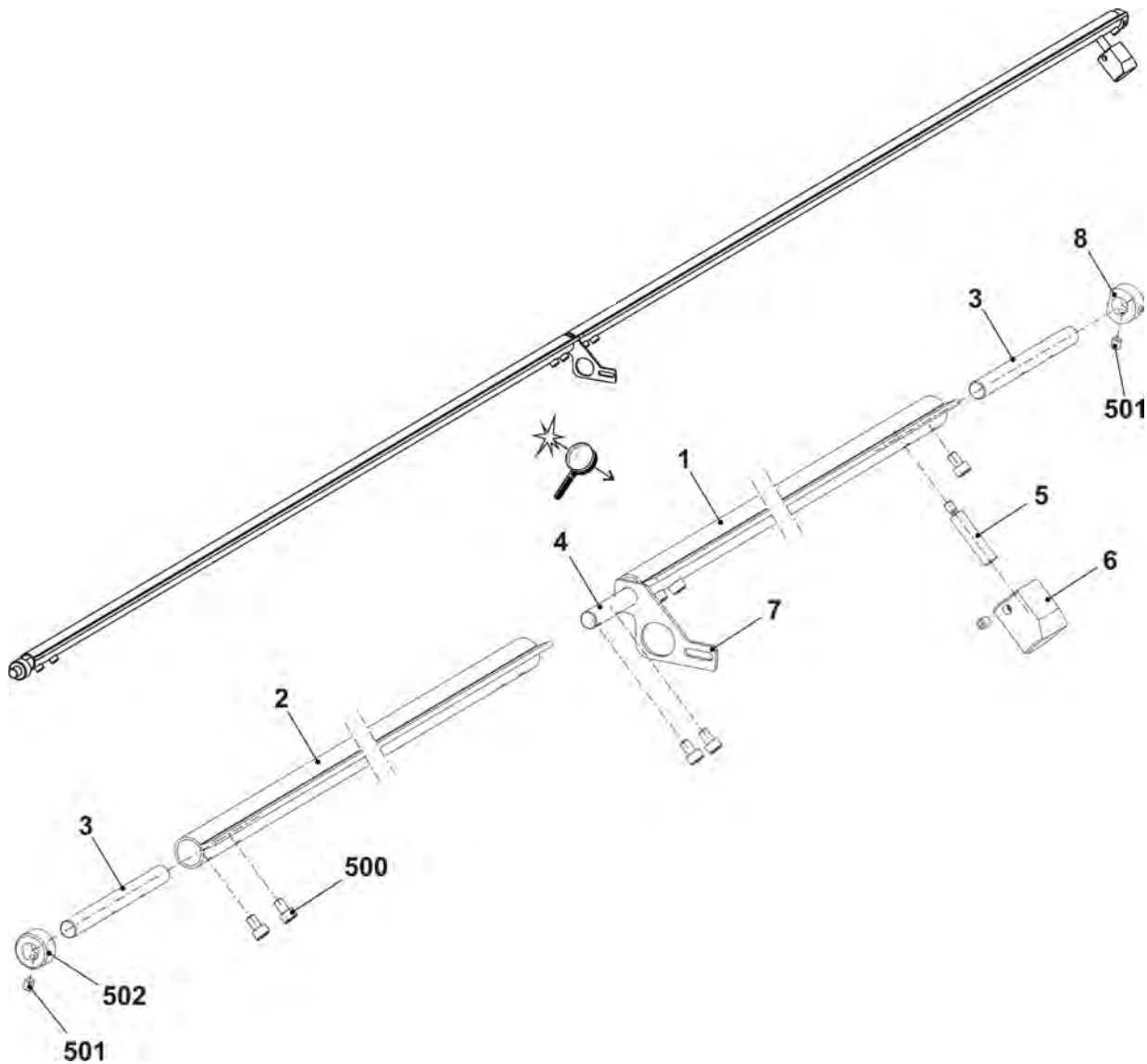
6.4 Main take-down in the middle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down in the middle E5-14	255 249	13	Take-down roller at the rear complete E3-14	243 810
4	Stripping angle at the rear complete	259 987	510	Pan-head screw M4x6	235 450
12	Motor take-down unit complete	253 803	30*	Bearing block	237 204
15	Take-down roller at the front complete	253 390	530*	Bolts	237 211
20	Connection cable winding plate	241 703	531*	Setscrew M6x8	023 723
509	Cap screw M8x25	020 142	532*	Cap screw M8x20	020 136



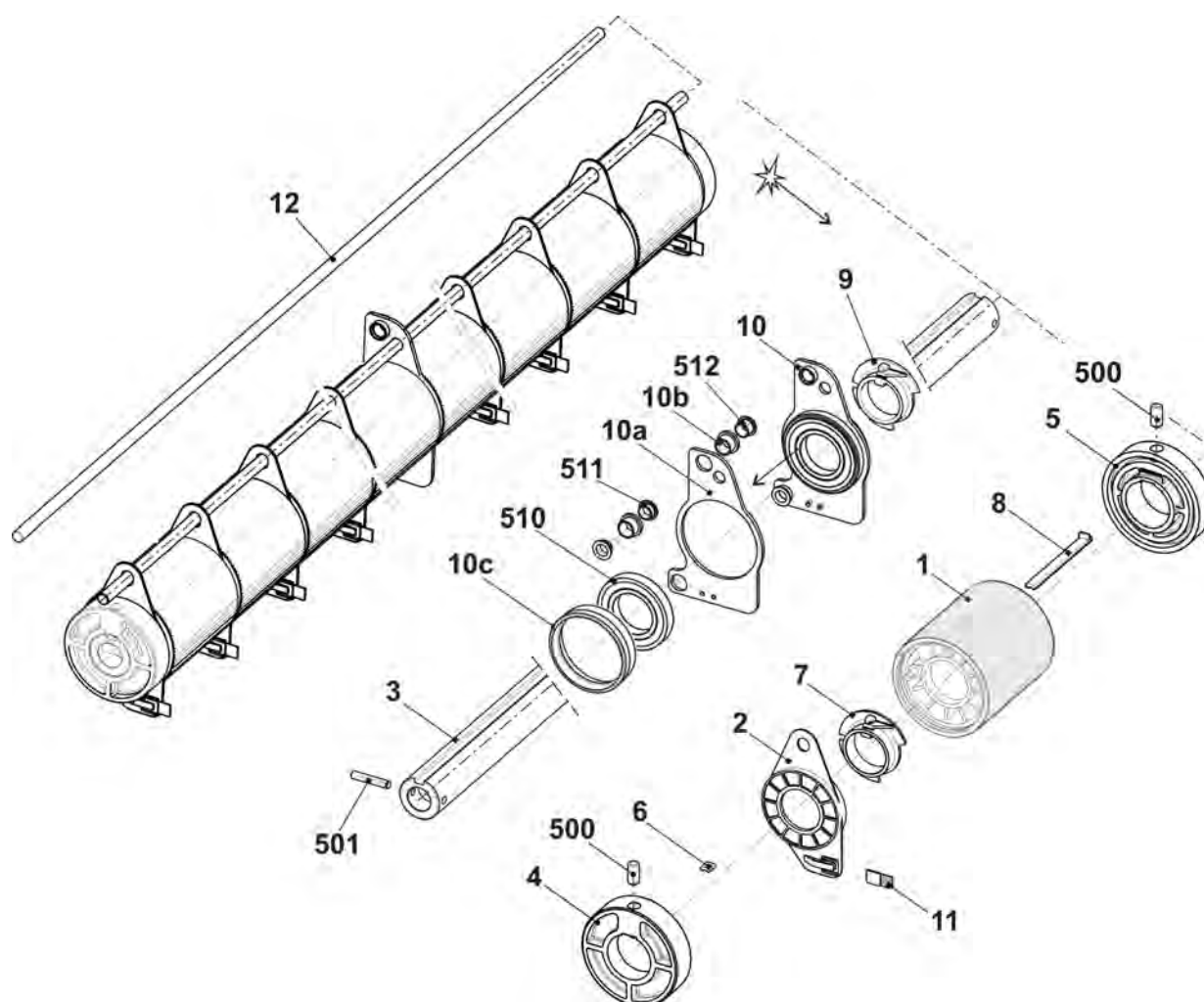
6.4.1 Stripper angle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Stripper angle at the rear complete	259 987	6	Adjustment weight	260 426
1	Stripper angle on the right	259 976	7	Bracket	260 060
2	Stripper angle on the left	259 977	8	Cam	260 109
3	Axle	259 969	500	Cap screw M5x8	023 319
4	Axle	259 970	501	Setscrew M5x6	022 738
5	Bolts	228 310	502	Set collar	020 934



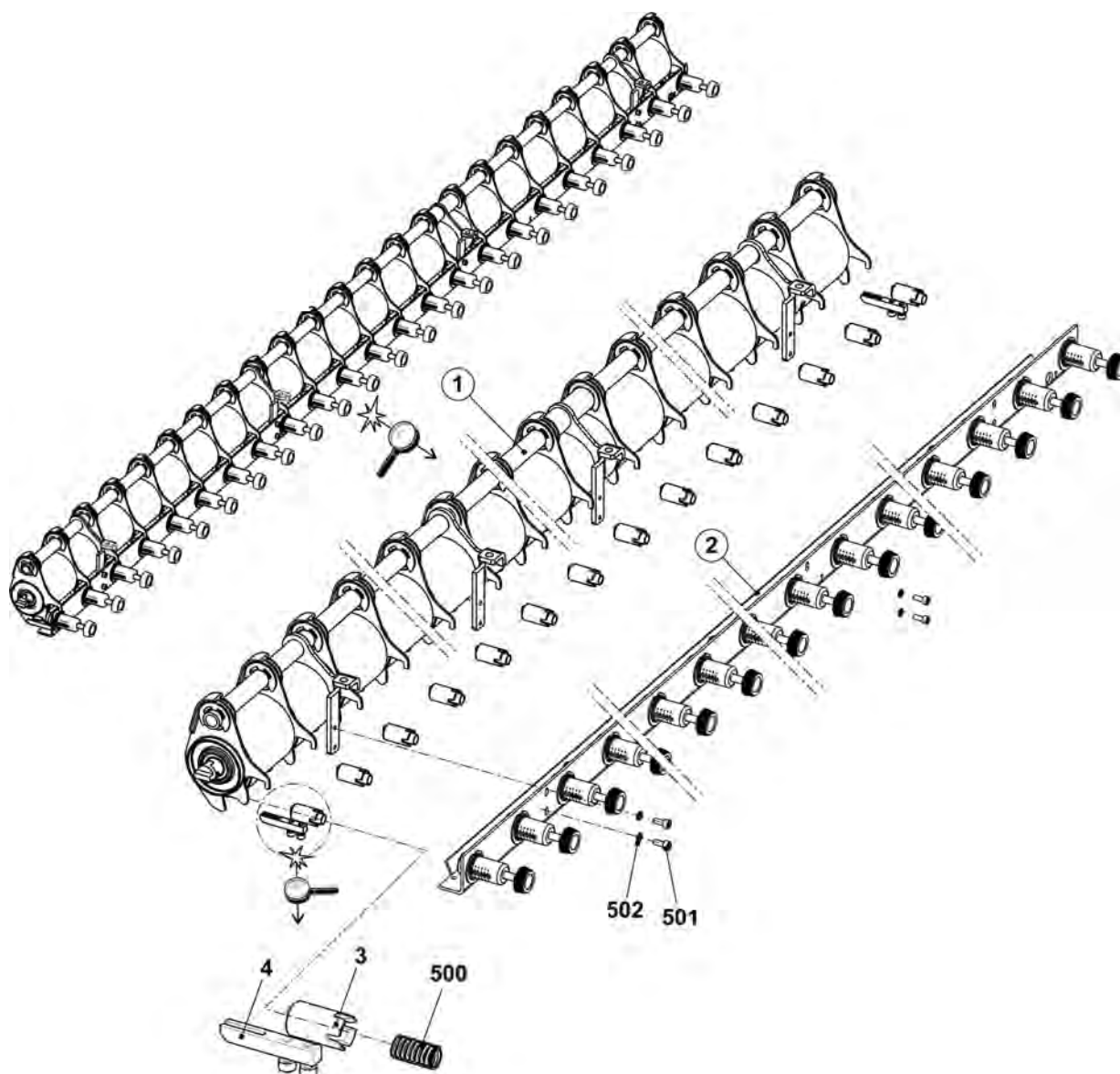
6.4.2 Rear take-down roller

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Take-down roller at the rear complete E3-14	243 810			
1	Roller	264 624	10b	Bearing	232 571
2	Stripper	241 612	10c	Ring	222 895
3	Shaft	237 190	9	Stop ring on the left	222 910
4	Ring on the left	255 830	11	Brush	225 819
5	Ring on the right	255 831	12	Rod	237 192
6	Spacer slide	222 062	500	Setscrew	258 910
7	Stop ring on the left	204 369	501	Dowel pin 6x32	020 685
8	Spacer slide	264 669	510	Grooved ball bearing 16007	021 697
10	Support	232 578	511	Slide bearing GFM-101216-06	023 280
10a	Supporting plate	232 512	512	Slide bearing GFM-101216-09	023 356



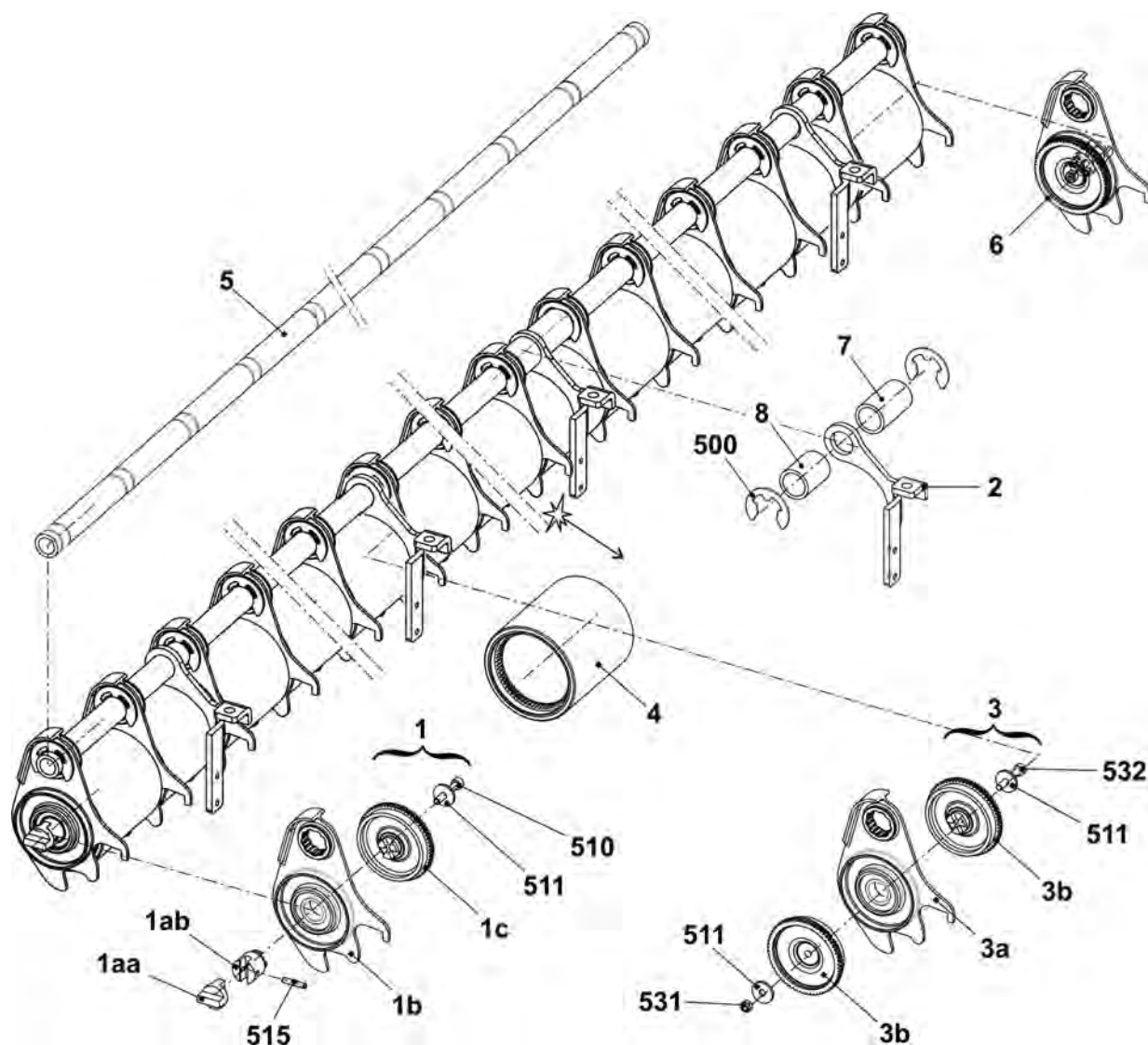
6.4.3 Front take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front complete	253 390	4	Locating piece	221 935
1	Take-down roller at the front	253 423	500	Compression spring 1x10x30	023 741
2	Angle rail complete	242 316	501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911	502	Washer 5-200	020 880



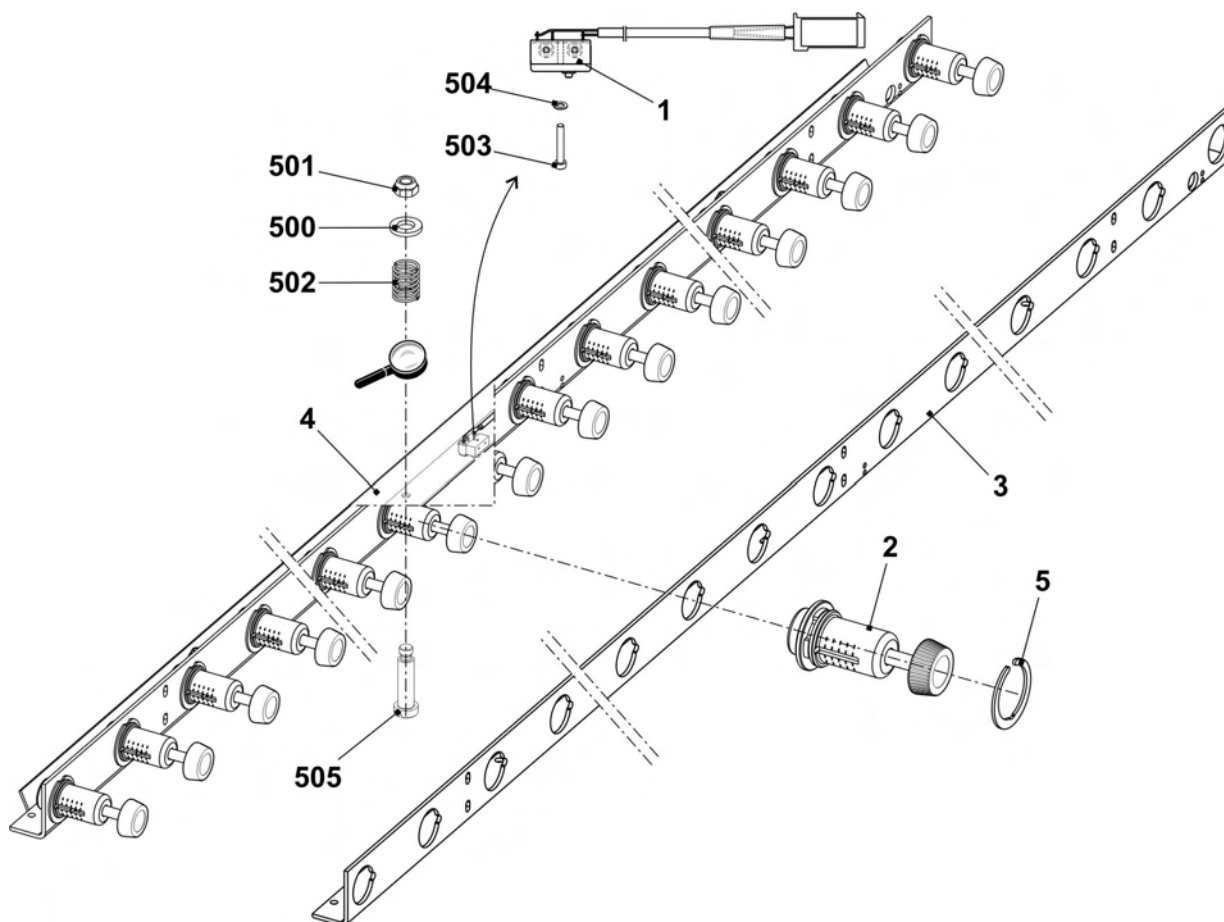
6.4.3.1 Front roller elements

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Take-down roller at the front	253 423	4	Roller	220 905
1	Bearing support on the left complete	221 225	5	Tube	237 191
1aa	adaptor	221 132	6	Bearing support on the right complete	221 240
1ab	Universal joint	221 137	1aa	Universal joint	221 137
1b	Bearing support	220 913	1ab	adaptor	221 132
1c	Gear wheel	220 910	1b	Bearing support	220 913
510	Cap screw M5x20	020 133	1c	Gear wheel	220 910
511	Washer 5	023 542	510	Cap screw M5x20	020 133
515	Spring dowel sleeve 4x20	023 551	511	Washer 5	023 542
2	Straps	251 557	515	Spring dowel sleeve 4x20	023 551
3	Bearing support complete	221 241	7	Spacer pipe on the right	253 407
3a	Bearing support	220 913	8	Spacer pipe on the left	253 408
3b	Gear wheel	220 910	500	Circlip	021 025
531	Hexagon nut M5-8	023 541			
532	Cap screw M5x30	022 396			



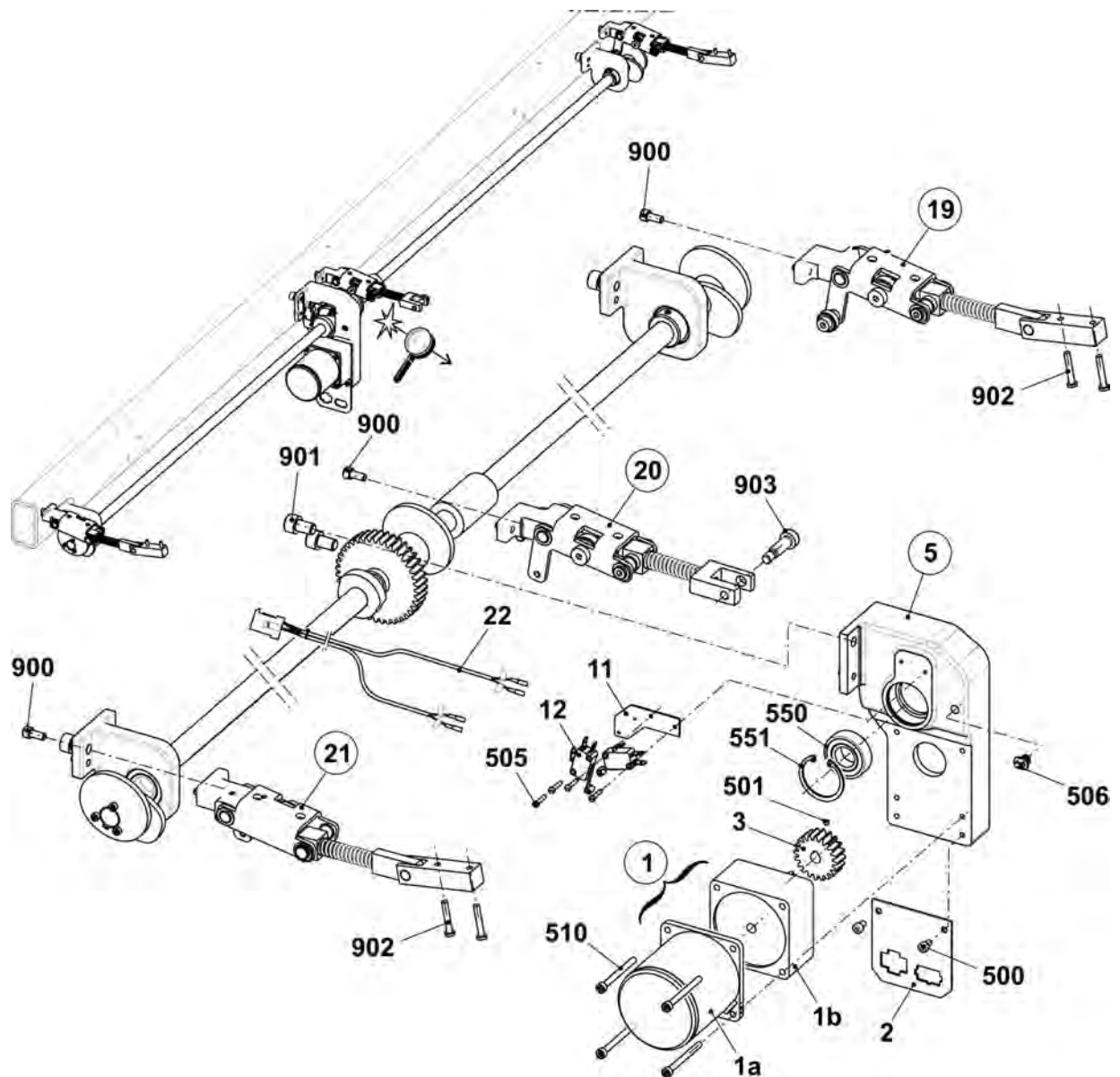
6.4.3.2 Pressure angle rail

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Angle rail complete	242 316	500	Washer 6	022 431
1	Switch complete with cable	221 265	501	Hexagon nut M5-8	023 541
2	Spring flange	242 327	502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	242 277	503	Cap screw M2x12	023 522
4	Winding plate	237 195	504	Washer 2-200	022 908
5	Retaining ring	242 325	505	Shoulder screw M5x20x5	023 675



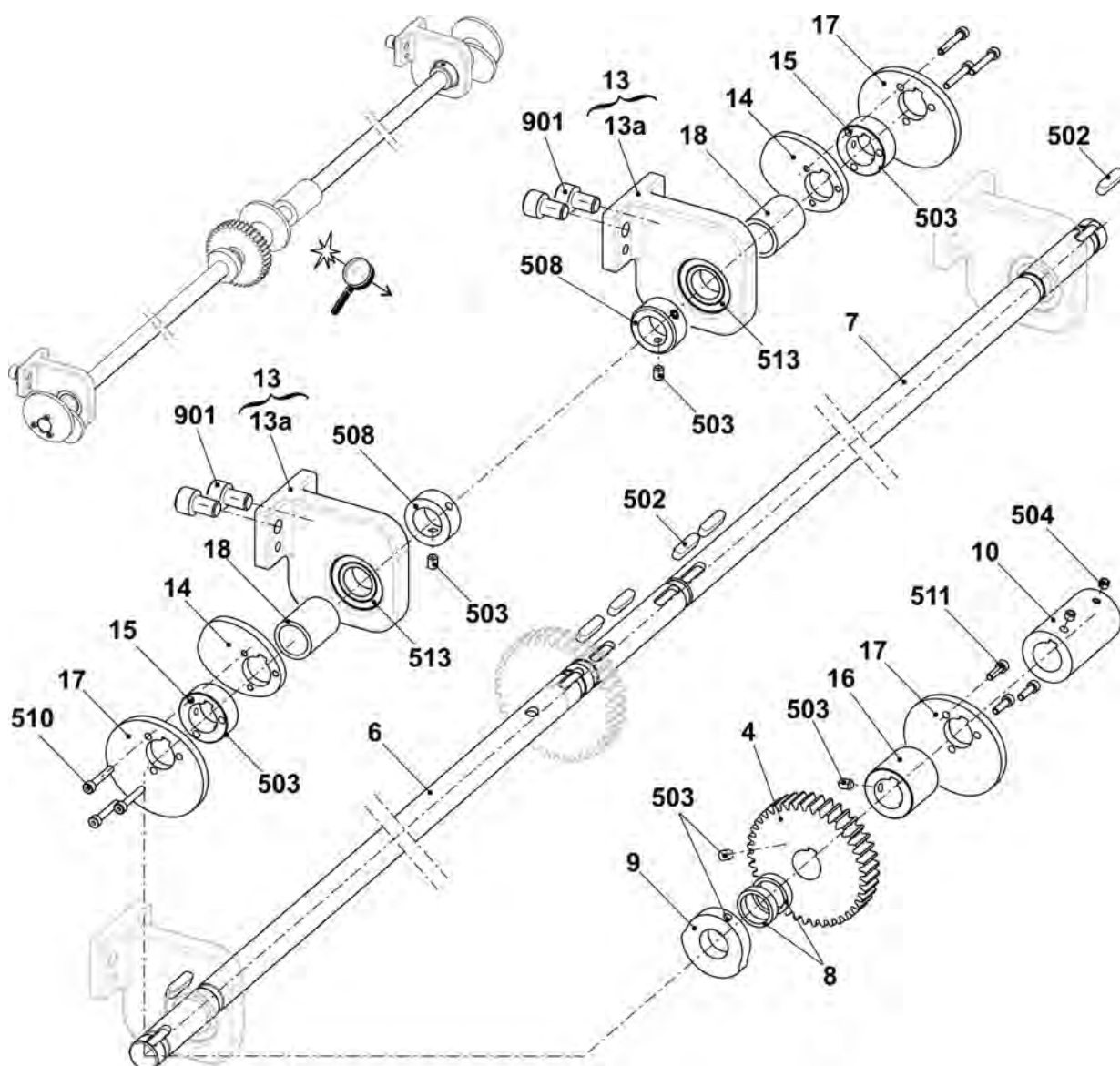
6.5 Take-down closing device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down on / off complete	253 387	19	Swivel support on the right complete	
1	Motor complete		20	Swivel holder on the left complete	
1a	Motor 25W	232 456	21	Swivel holder in the middle complete	
1b	Gear unit	234 983	22	Cable switch HAAB open	232 442
510	Cap screw M5x55	023 321	500	Cap screw M5x8	023 319
2	Sheet metal	232 992	501	Setscrew M4x4	022 875
3	Gear wheel	232 434	505	Cap screw M3x15	020 009
5	Support in the middle complete		506	Assembling element	209 543
550	Grooved ball bearing 6004-2Z	022 720	900	Cap screw M6x14	022 658
551	Retaining ring 42x1,75	023 293	901	Cap screw M10x16	023 895
11	Limit switch retaining plate	235 190	902	Screw M50x30	253 257
12	Microswitch XGK2-S21 250 VAC	210 510	903	Cap screw M10x25	023 751



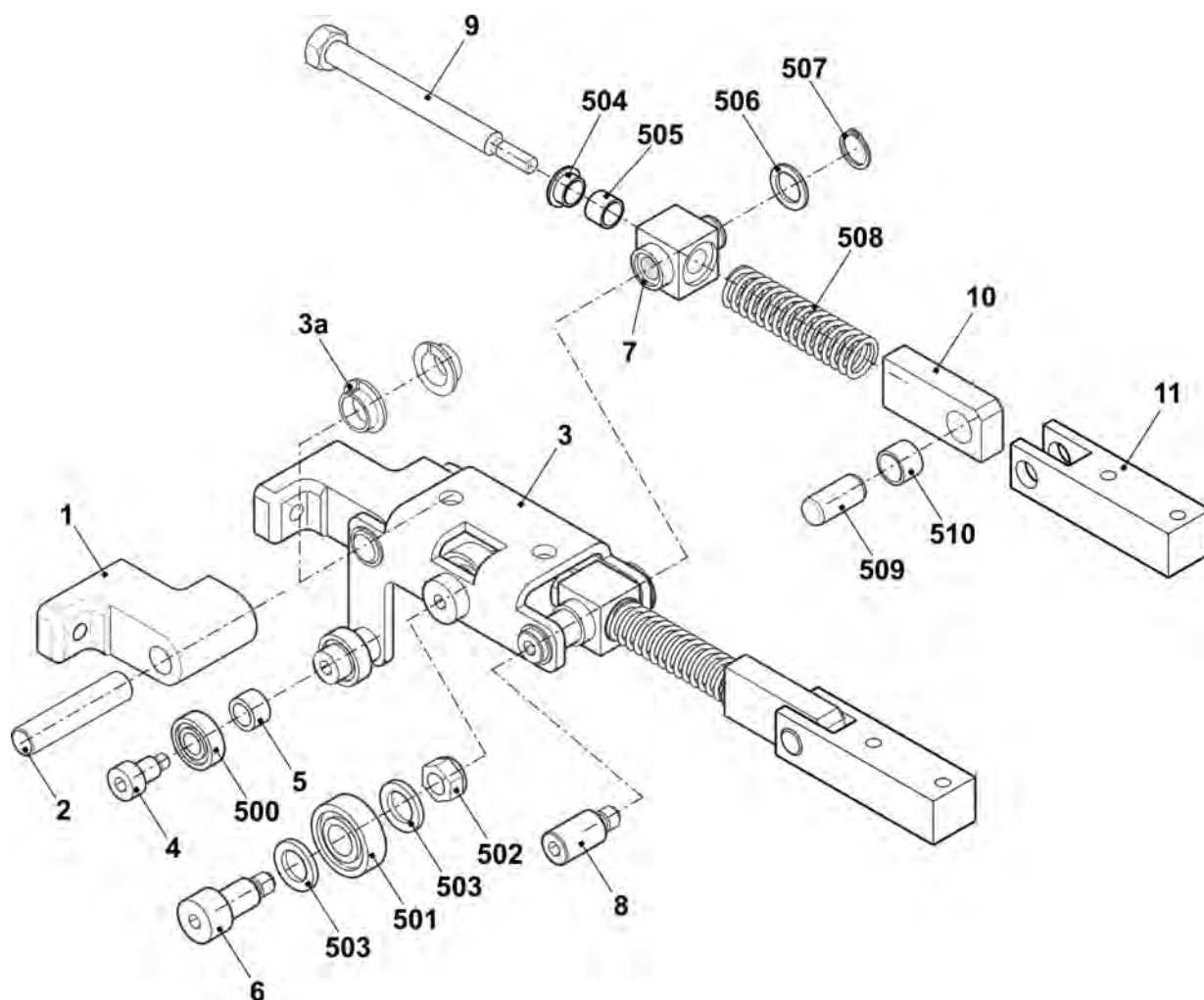
6.5.1 Continuation of take-down closing device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down on / off complete	253 387	15	Guide bush	234 876
4	Gear wheel	213 744	16	Guide bush	235 623
6	Shaft	237 180	17	Eccentric	232 382
7	Shaft	237 181	18	Spacer pipe	235 128
8	Threaded spacer	232 385	502	Feather key A 6x6x25	023 017
9	Trip cam	232 383	503	Setscrew M6x8	023 723
10	Coupling	232 604	504	Setscrew M6x5	023 192
13	Support on the outside complete	235 248	508	Set collarA20	020 938
13a	Support	234 780	510	Cap screw M4x25	023 302
513	Grooved ball bearing 6004-2Z	022 720	511	Cap screw M4x14	023 604
14	Eccentric	235 135	901	Cap screw M10x16	023 895



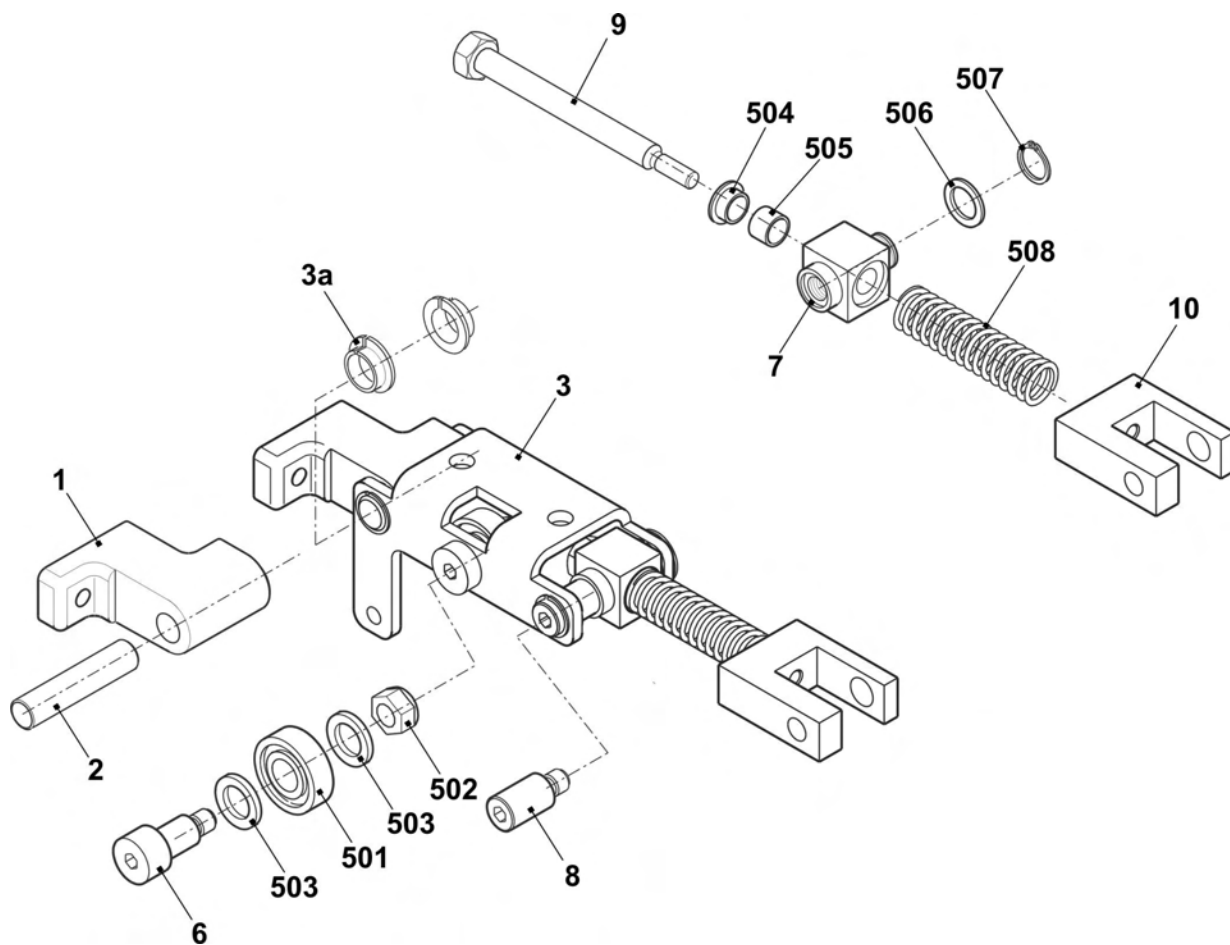
6.5.1.1 Right swivel support

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Swivel support on the right complete		11	Lever	253 199
1	Support	239 163	500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164	501	Grooved ball bearing 6000-2Z	022 599
3	Bow	238 974	502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639	503	Shim ring 10x16x2	023 600
4	Shoulder screw	239 133	504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134	505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132	506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100	507	Retaining ring 12x1	020 951
8	Bearing bolt	239 117	508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388	509	Dowel pin 10x20	023 616
10	Lever	238 370	510	Slide bearing GSM-1012-10	239 178



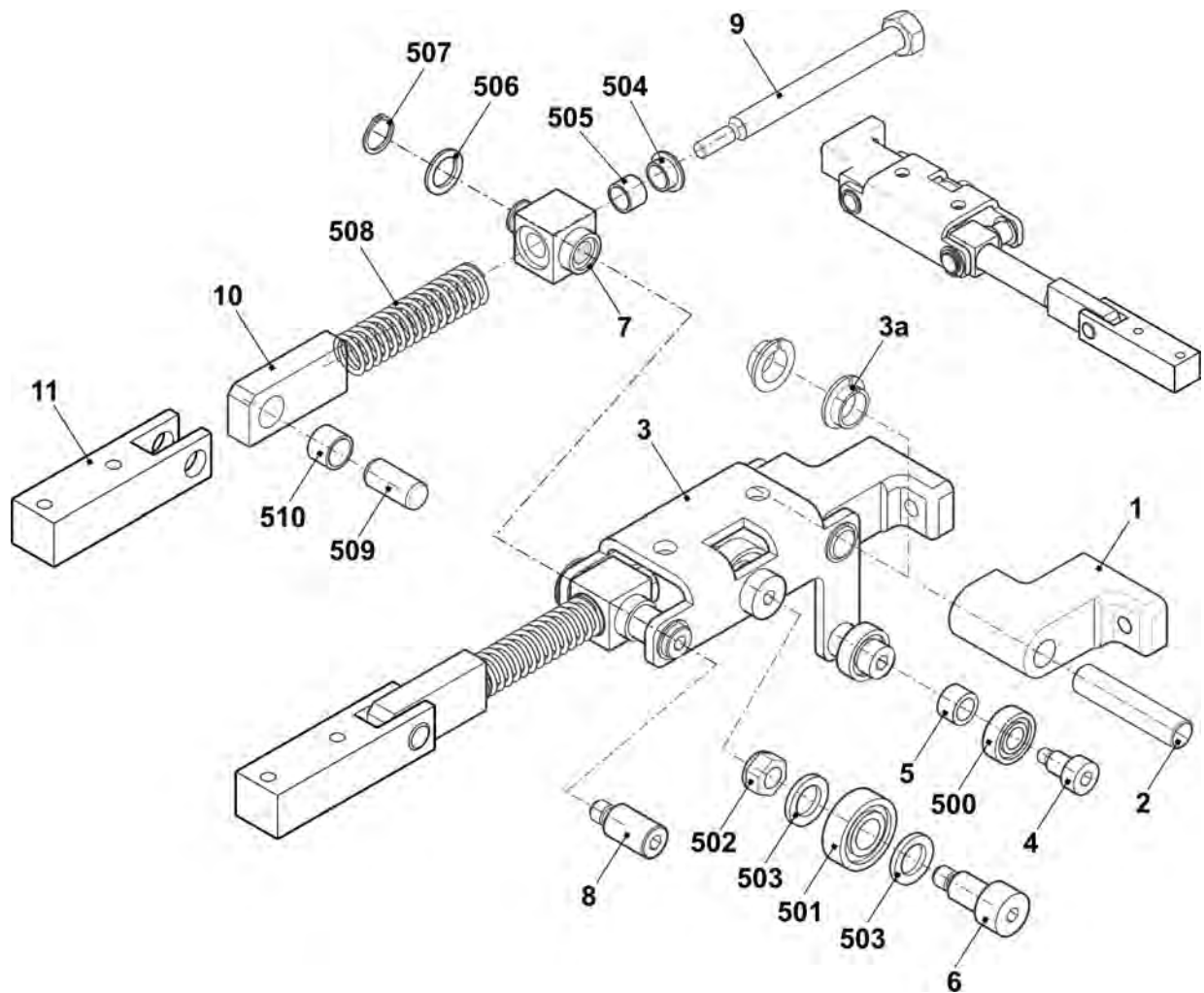
6.5.1.2 Swivel holder in the middle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Swivel holder in the middle complete		10	Angle	238 778
1	Support	239 163	501	Grooved ball bearing 6000-2Z	022 599
2	Bearing pin	239 164	502	Hexagon nut M8-8	022 843
3	Bow	238 974	503	Shim ring 10x16x2	023 600
3a	Clip bearing 11-MCM-12-04	023 639	504	Slide bearing GFM-081014-06	023 358
6	Shoulder screw	239 132	505	Slide bearing GSM-0810-10	023 896
7	Swivel-mounted bearing	239 100	506	Shim ring 12x18x1	023 315
8	Bearing bolt	239 117	507	Retaining ring 12x1	020 951
9	Spring mandrel on the inside	232 388	508	Compression spring 2,5x12,5x67,5	023 743



6.5.1.3 Left swivel holder

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Swivel holder on the left complete		11	Lever	253 199
1	Support	239 163	500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164	501	Grooved ball bearing 6000-2Z	022 599
3	Bow on the left	239 184	502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639	503	Shim ring 10x16x2	023 600
4	Shoulder screw	239 133	504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134	505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132	506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100	507	Retaining ring 12x1	020 951
8	Bearing bolt	239 117	508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388	509	Dowel pin 10x20	023 616
10	Lever	238 370	510	Slide bearing GSM-1012-10	239 178

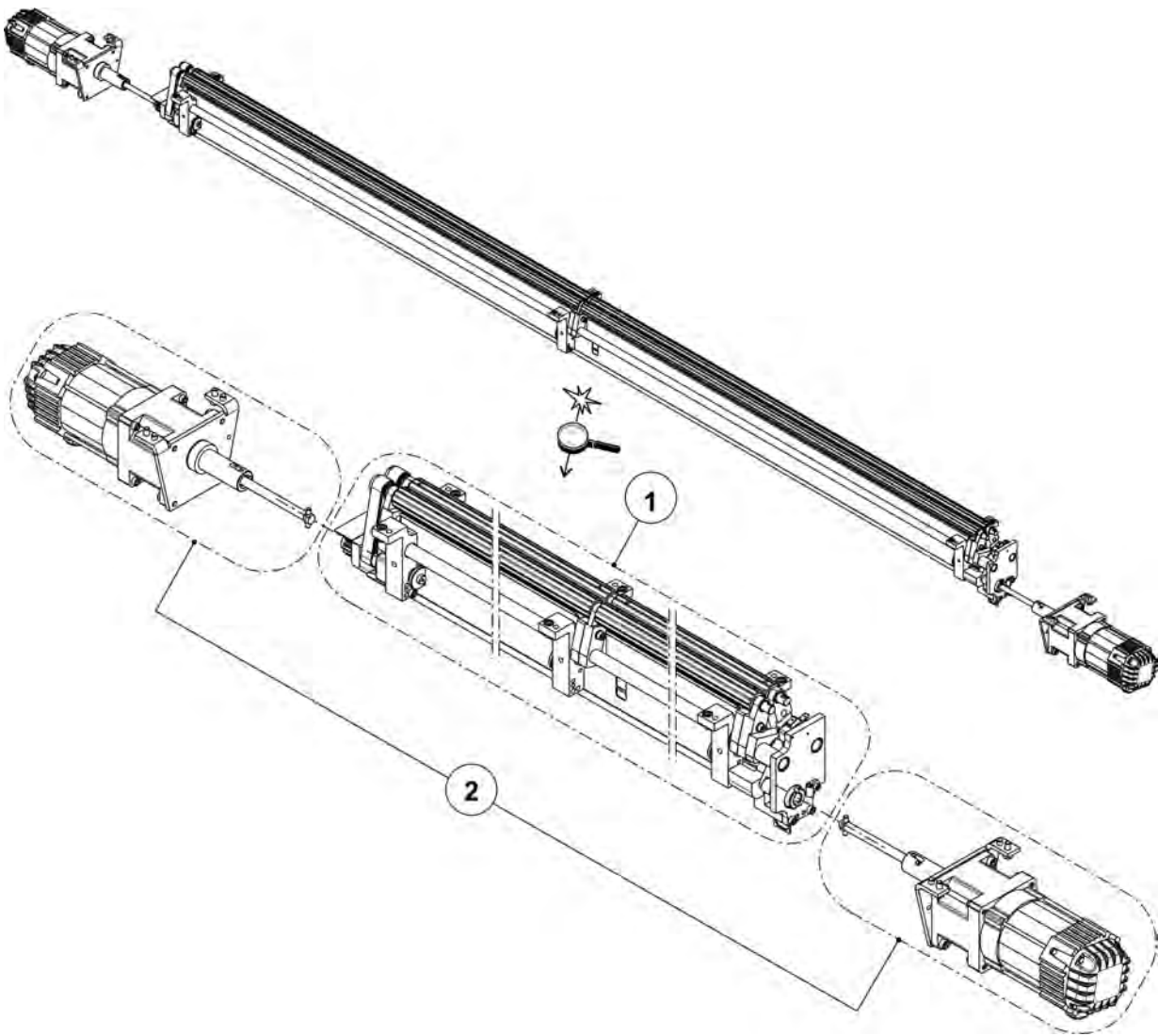


7 Auxiliary Take-down



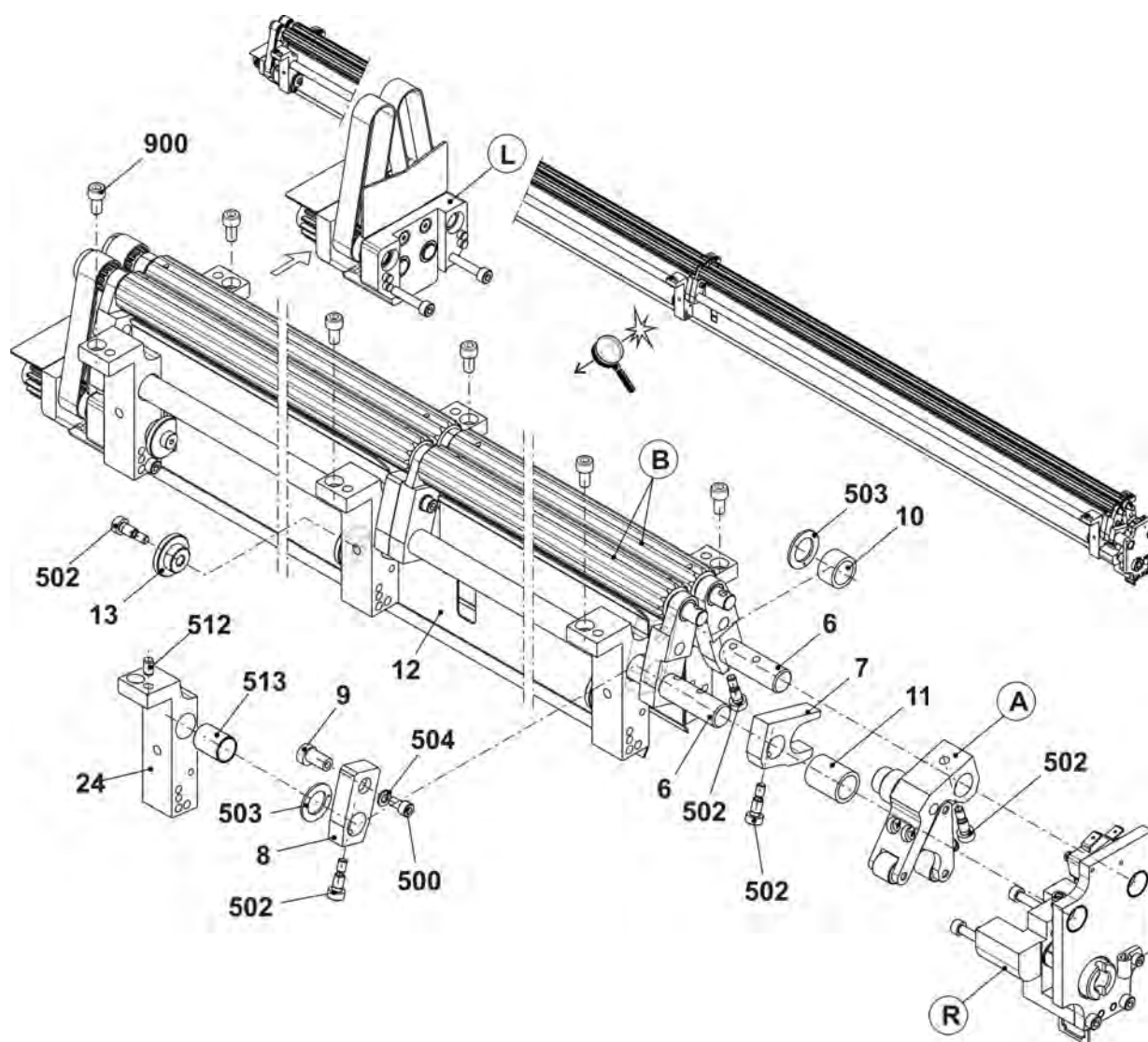
7.1
Auxiliary Take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down				
1	Auxiliary take-down pre-assembled	254 974	2	Motor with 2 phases auxiliary take-down complete	



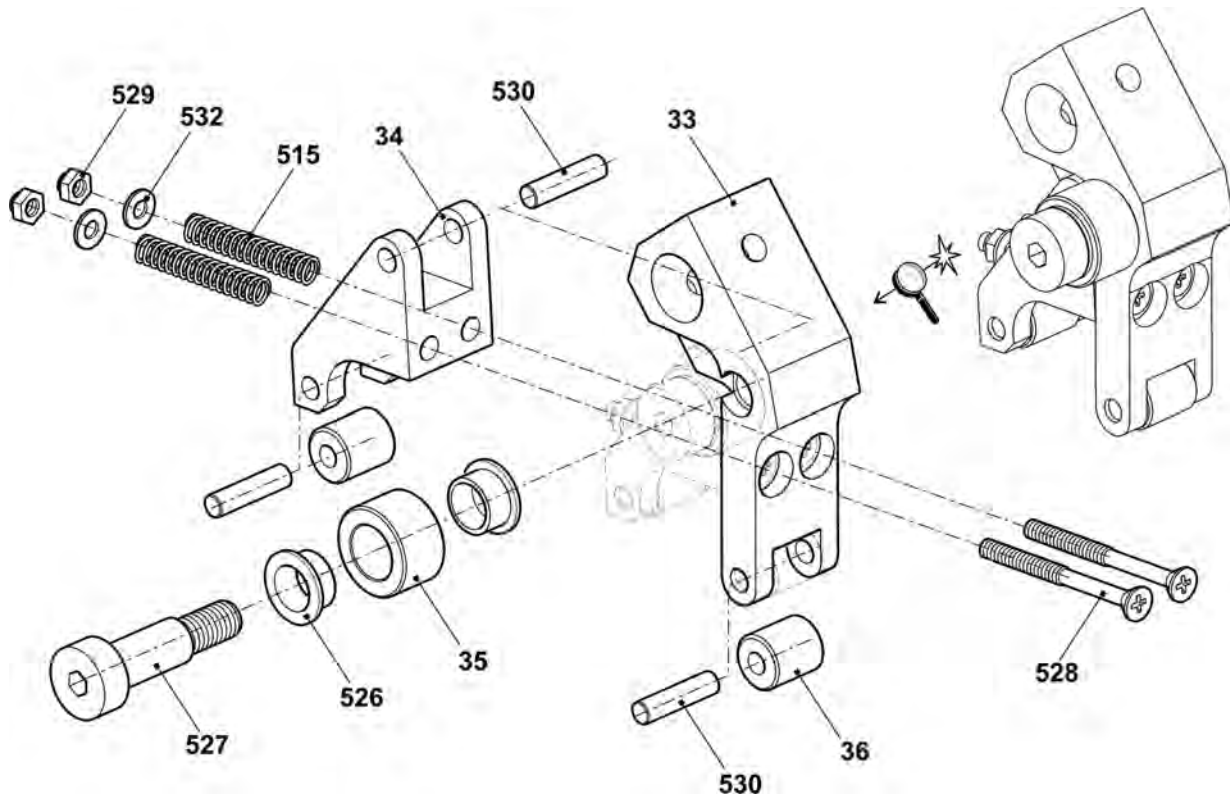
7.1.1 Auxiliary take-down pre-assembled

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 974			
6	Contact shaft	237 126	B	Take-down roller	237 128
7	Lever	235 164	L	Bearing on the left	236 894
8	Clamping lever	235 156	R	Bearing on the right	235 353
9	Eccentric	236 952	500	Cap screw M5x10	022 918
10	Spacer pipe	235 189	502	Cap screw 6x10	235 448
11	Spacer pipe	235 192	503	Stop disk GTM-1524-015	235 447
12	Cover plate	237 127	504	Disk5	020 871
13	Roll	235 178	512	Dowel pin 6x10	023 268
24	Support	235 150	513	Slide bearing FSM-1517-20	237 060
A	Contact lever	235 356	900	Cap screw M6x12	020 134



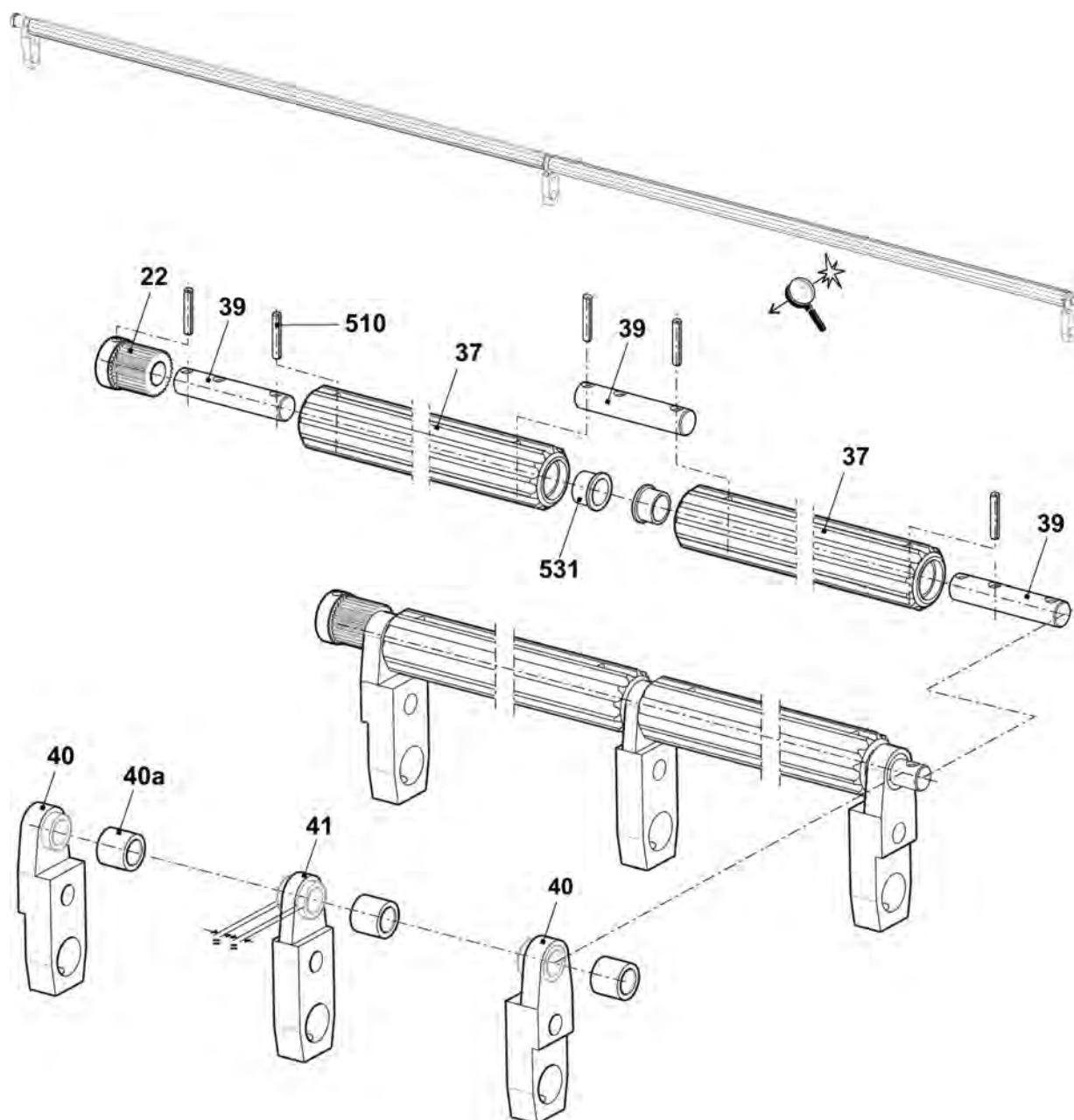
7.1.1.1 Contact lever

Pos	Designation	Id	Pos	Designation	Id
Σ	Contact lever	235 356	526	Slide bearing GFM-10x1216-06	023 280
33	Lever	235 172	527	Cap screw M10x16	023 748
34	Tilting lever	235 173	528	Countersunk screw M4x45	023 291
35	Roller	235 176	529	Hexagon nut M4-8	023 046
36	Roll	235 171	530	Dowel pin 5x22-A-ST	023 716
515	Compression spring 1,6x6,4x27,1	023 288	532	Washer 4	020 870



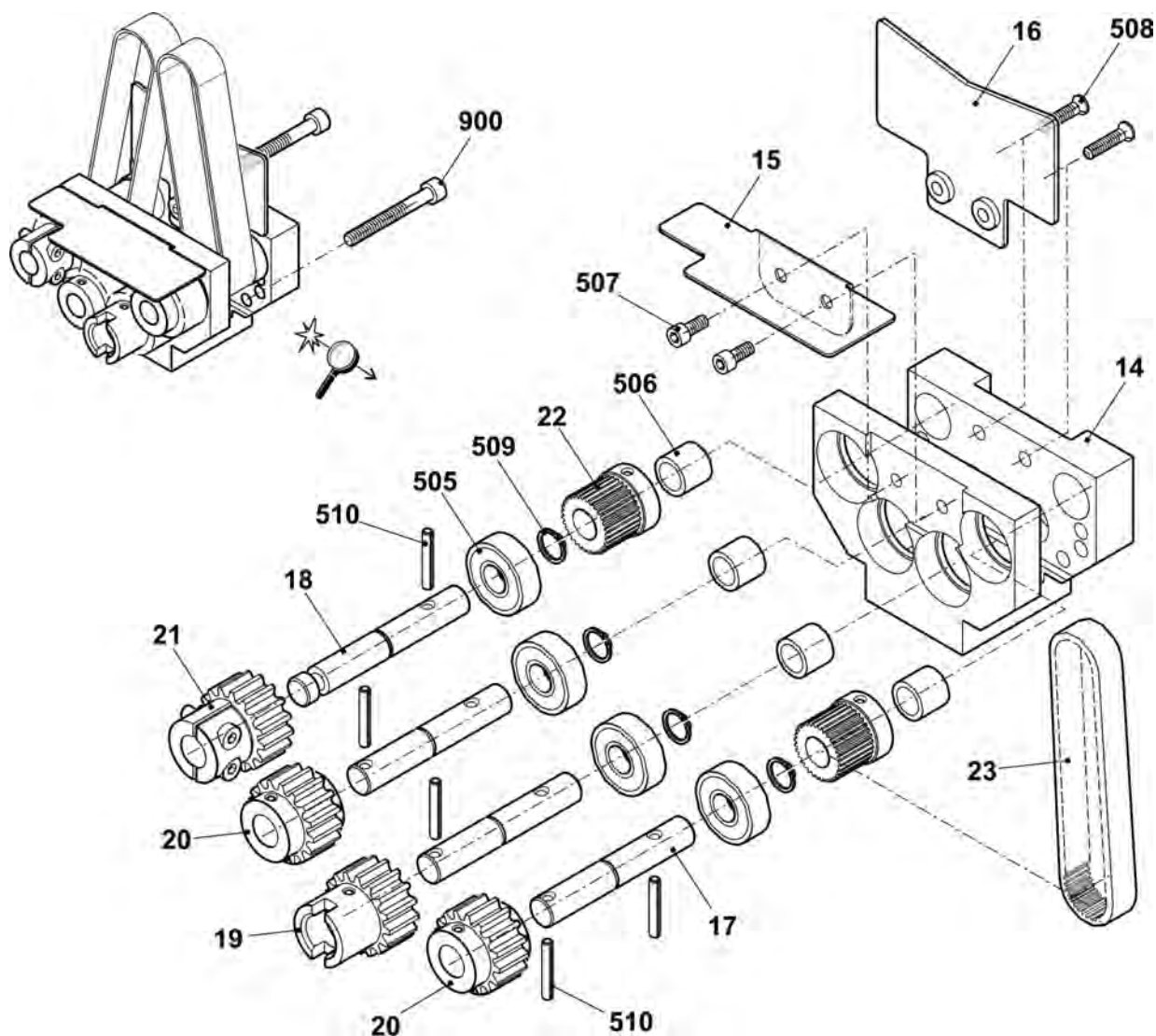
7.1.1.2 Take-down roller

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Take-down roller	237 128			
22	Timing belt pulley	237 043	40a	Needle roller bearing 10x14x12	023 665
37	Take-down roller	237 125	41	Lever bearing in the middle complete	235 359
39	Bolts	236 973	531	Slide bearing GFM-101214-07	023 627
40	Lever bearing right/left complete	235 358	510	Spring dowel sleeve 3x18	237 059



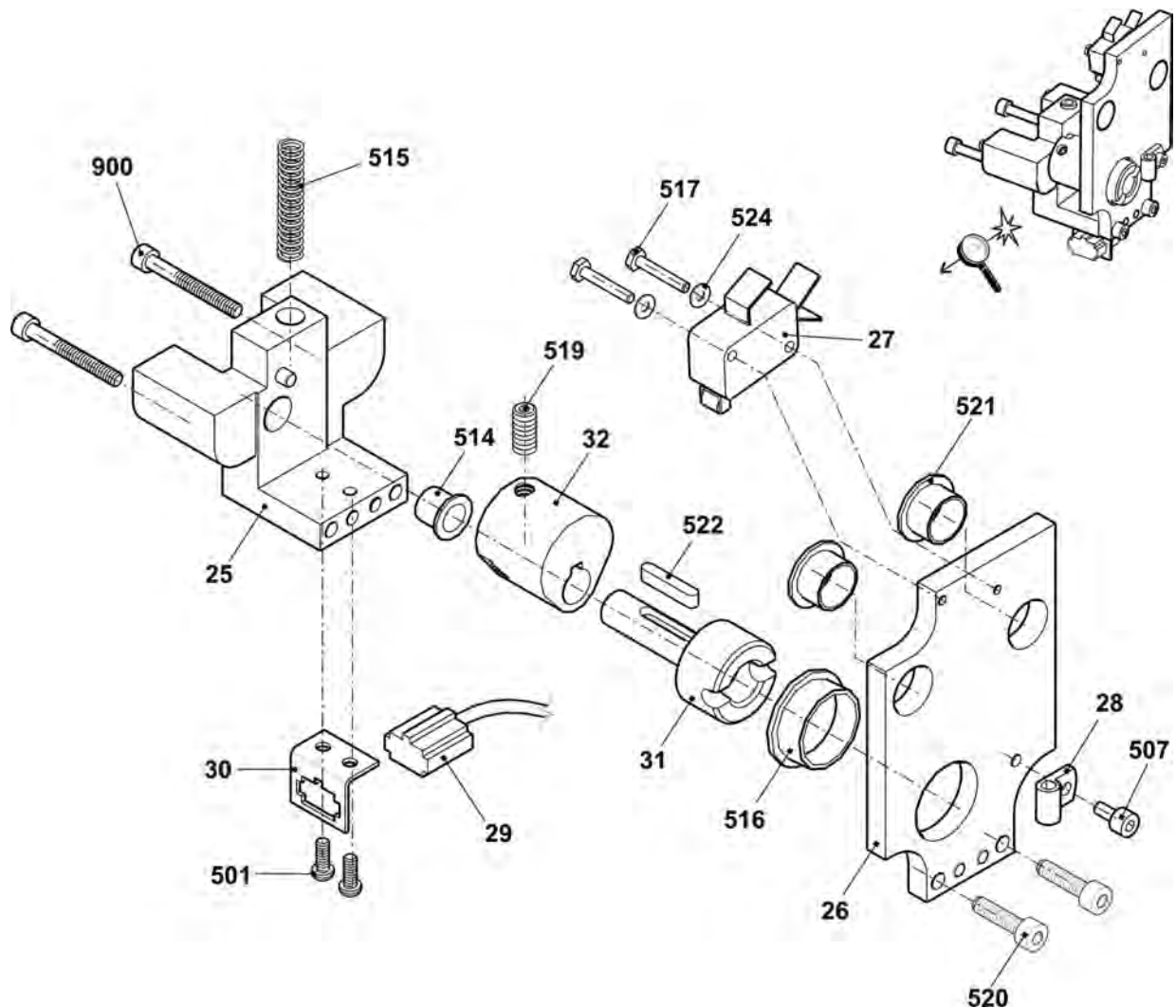
7.1.1.3 Left bearing of the auxiliary take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Bearing on the left	236 894	22	Timing belt pulley	237 043
14	Drive bearing	237 422	23	Toothed beltHPS5M NG CLEAN	237 118
15	Cover plate	236 970	505	Grooved ball bearing 61900-2RS1	023 714
16	Cover plate	237 037	506	Needle roller bearing 10x14x10	023 664
17	Bolts	236 964	507	Cap screw M4x8	022 501
18	Bolts	236 963	508	Countersunk screw M4x12	023 062
19	Gear wheel	236 914	509	Retaining ring10x1	020 950
20	Gear wheel	236 916	510	Spring dowel sleeve 3x18	237 059
21	Gear wheel	236 917	900	Cap screw M5x35	022 879



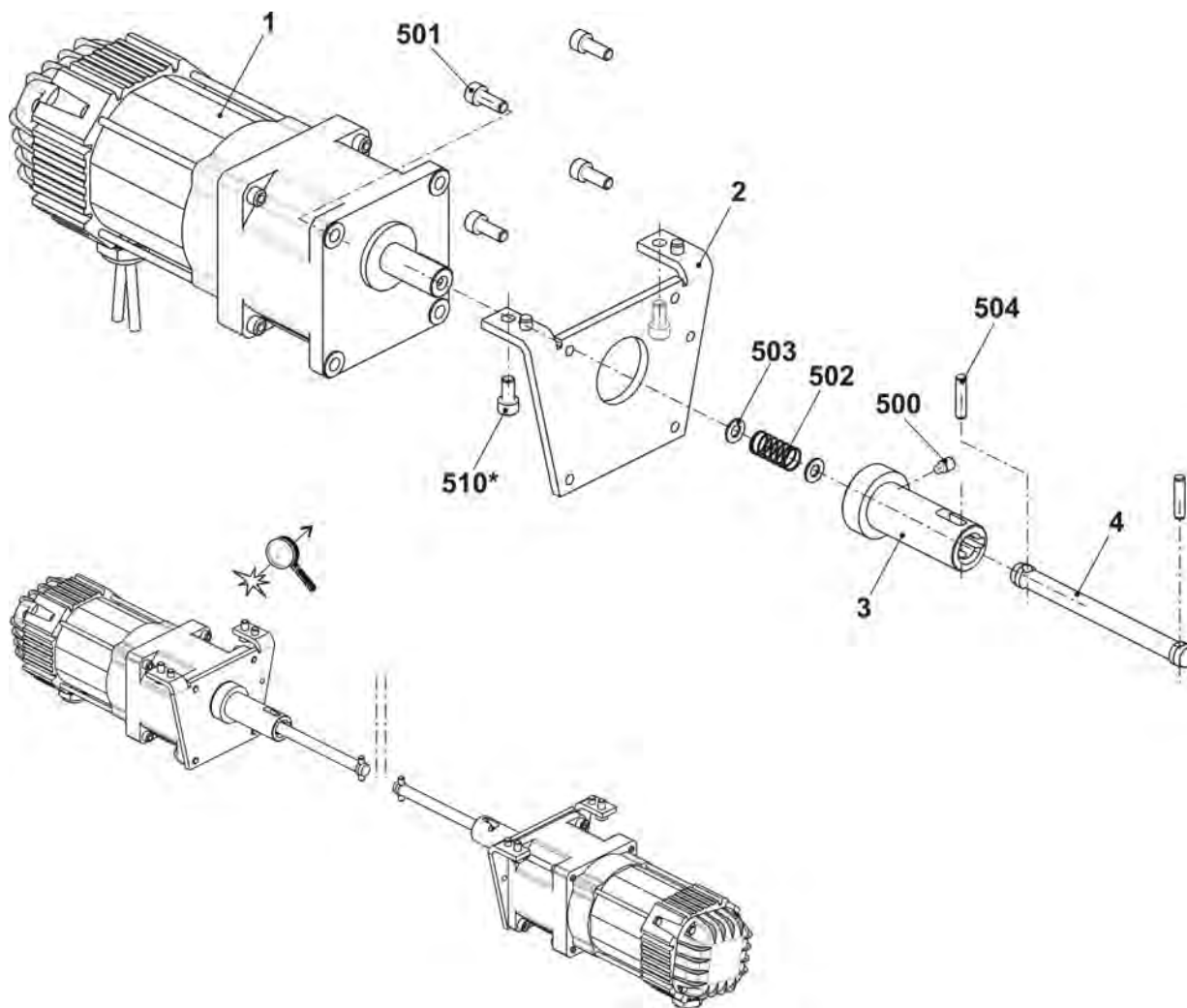
7.1.1.4 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right	235 353			
25	Bearing on the right	237 520	514	Slide bearing GFM-101216-09	023 356
26	Plate	235 168	515	Compression spring 1,6x6,4x27,1	023 288
27	Microswitch	026 259	516	Slide bearing GFM-2427-07	023 712
28	Cable clip N-3B 5mm	210 729	517	Hexagon screw M3x16	237 058
29	Cable switch HIAB St468	235 027	519	Setscrew M6x12	023 724
30	Sheet metal for plug	236 068	520	Cap screw M5x16	022 726
31	Shaft	235 159	521	Slide bearing GFM-1517-09	235 342
32	Eccentric	235 165	522	Feather key A 4x4x20	235 349
501	Pan-head screw M4x8	023 579	524	Washer 3	020 877
507	Cap screw M4x8	022 501	900	Cap screw M5x35	022 879



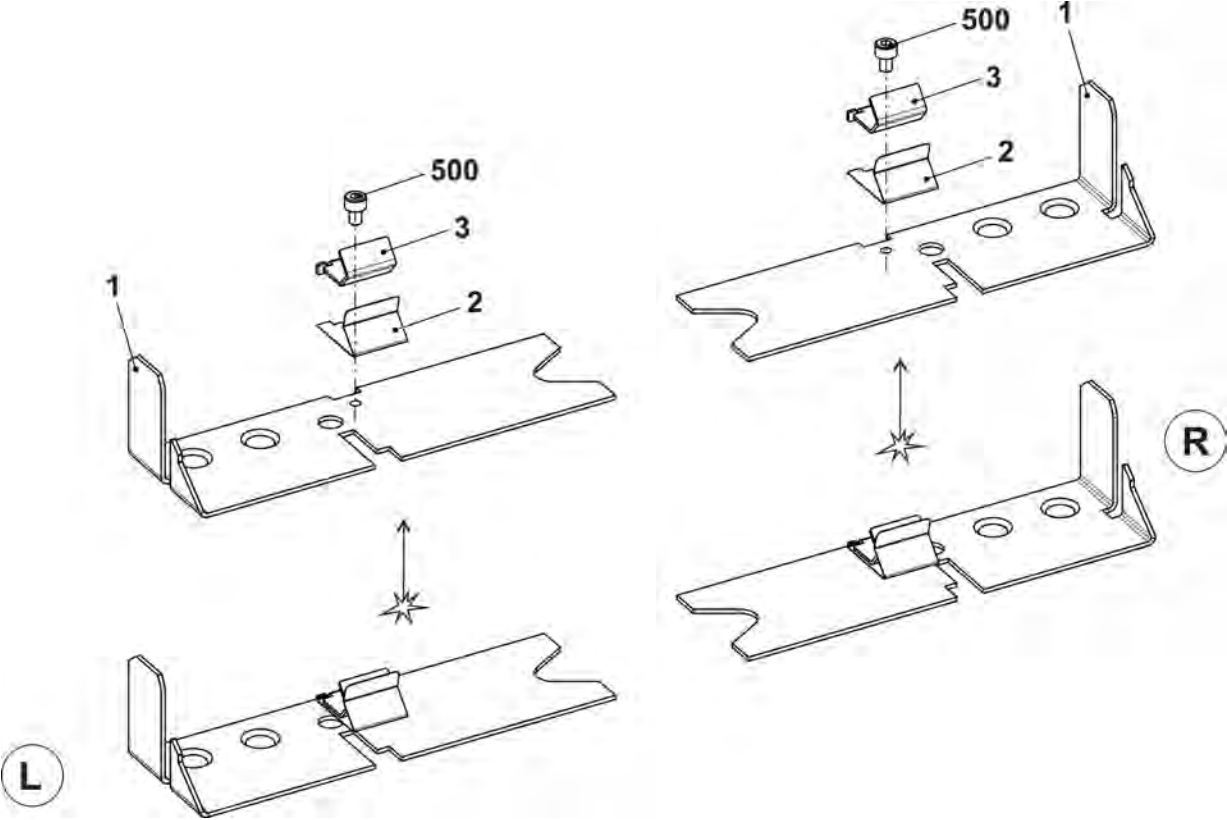
7.1.2 Motor

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Motor with 2 phases auxiliary take-down complete				
1	Motor 1,8NM 30MIN-1	234 805	511	Setscrew M6x10	023 543
2	Motor bracket	235 276	512	Cap screw M6x16	020 135
3	Drive sleeve	235 285	513	Compression spring 0,63x10,97x40	023 500
4	Shaft	235 300	514	Shim ring 6x12x1	023 444
510	Cap screw M6x12	020 134	515	Dowel pin 5x22-A-ST	023 716

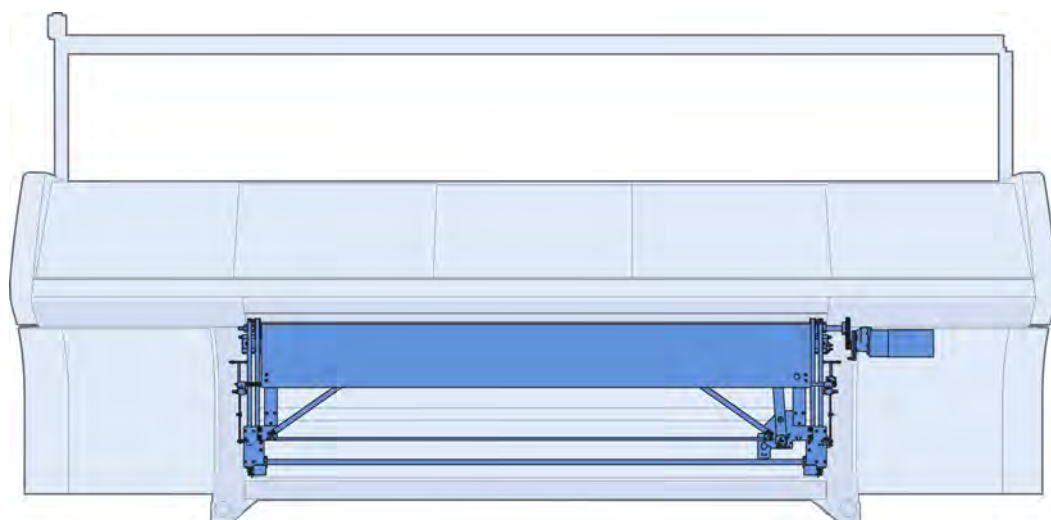


7.2 Yarn brake at clamping and cutting bed

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ L	Yarn brake on the left	257 794	Σ R	Yarn brake on the right	257 793
1	Cover on the left	257 792	3	Cover on the right	257 791
2	Leaf spring	256 712	1	Leaf spring	256 712
3	Test clamping plate	256 713	2	Test clamping plate	256 713
500	Cap screw M4x6	023 067	500	Cap screw M4x6	023 067

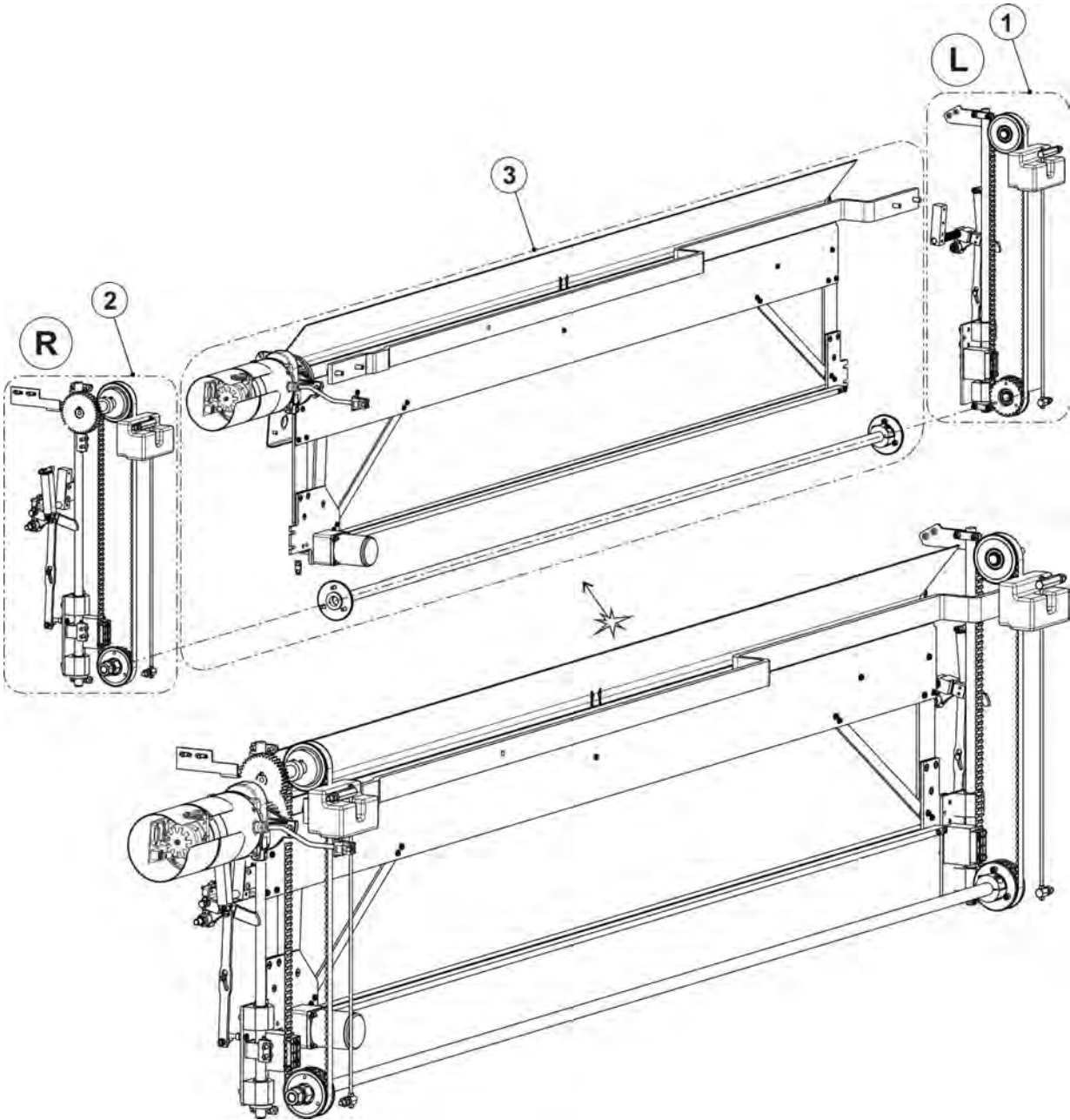


8 Comb Take-down



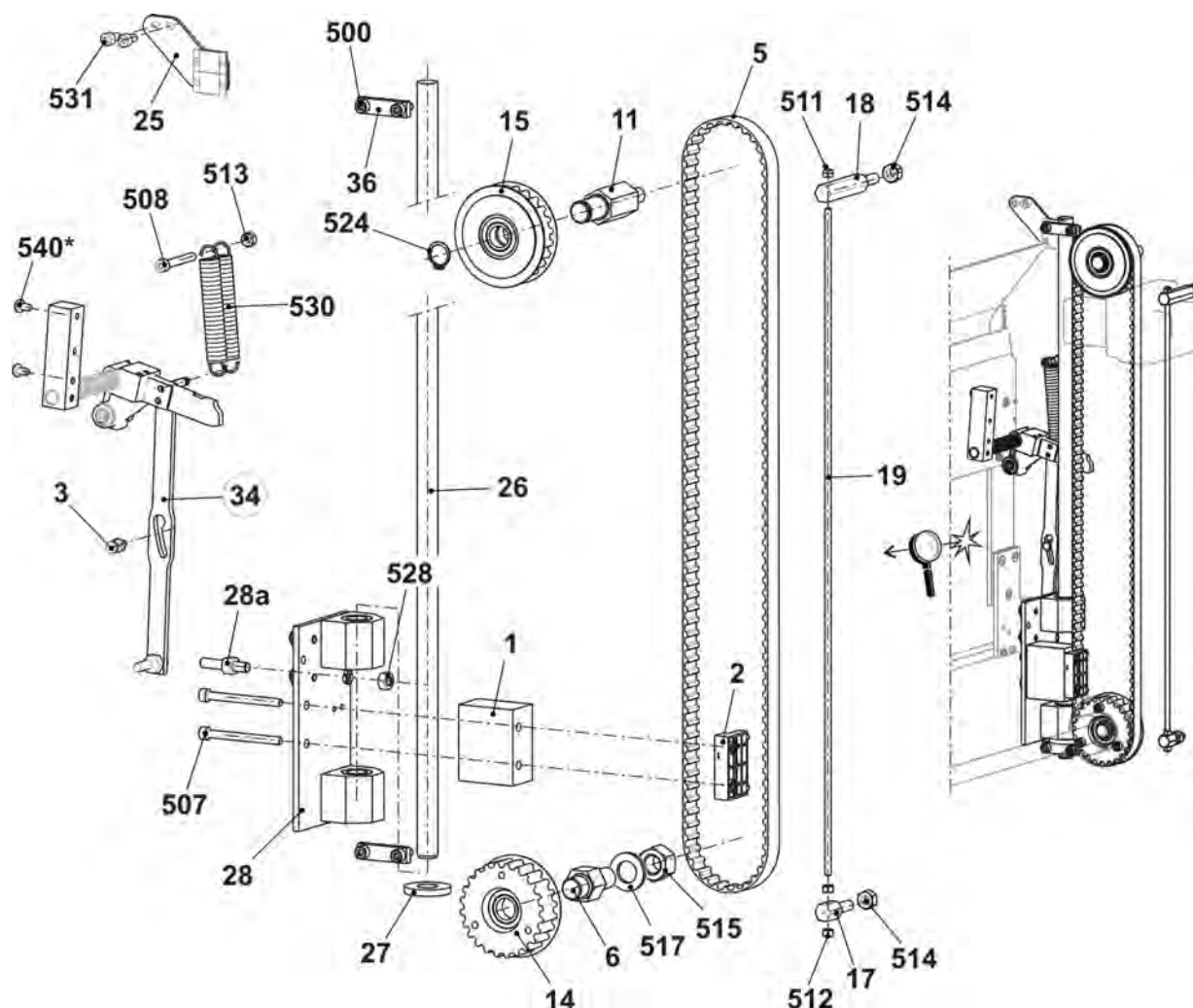
8.1 Comb Take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Comb take-down		2	Comb take-down on the right	256 839
1	Comb take-down on the left	261 815	3	Comb take-down in the middle	255 272



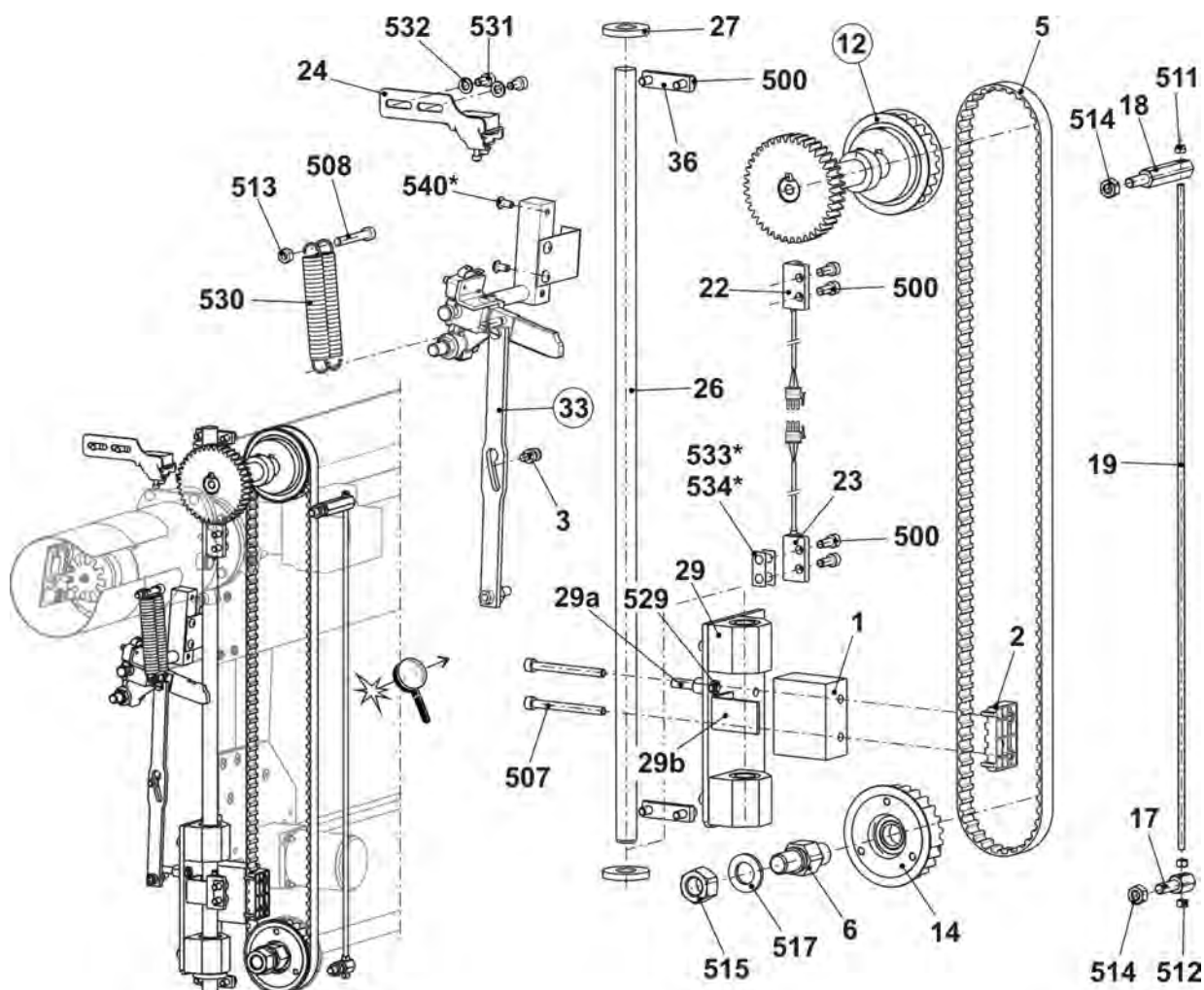
8.1.1 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	261 815			
1	Clamping piece	209 379	528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	261 374	517	Washer 16	020 876
26	Guide bar C35	206 560	524	Retaining ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1,50x70,94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Driving bolt	255 427	540*	Pan-head screw M5x10	023 247



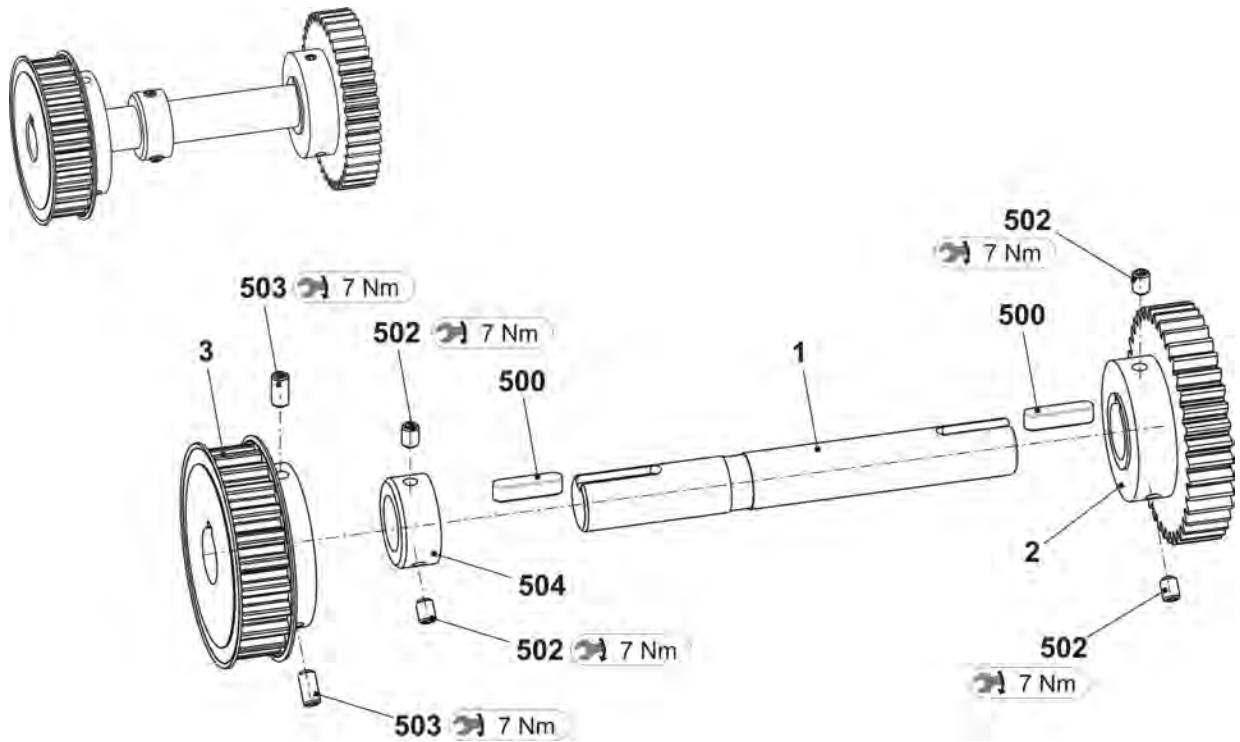
8.1.2 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 839			
1	Clamping piece	209 379	529	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer 16	020 876
24	Holding angle light barrier	257 409	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	Washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0,5x12x27	023 736
29b	Angle	240 112	540*	Pan-head screw M5x10	023 247



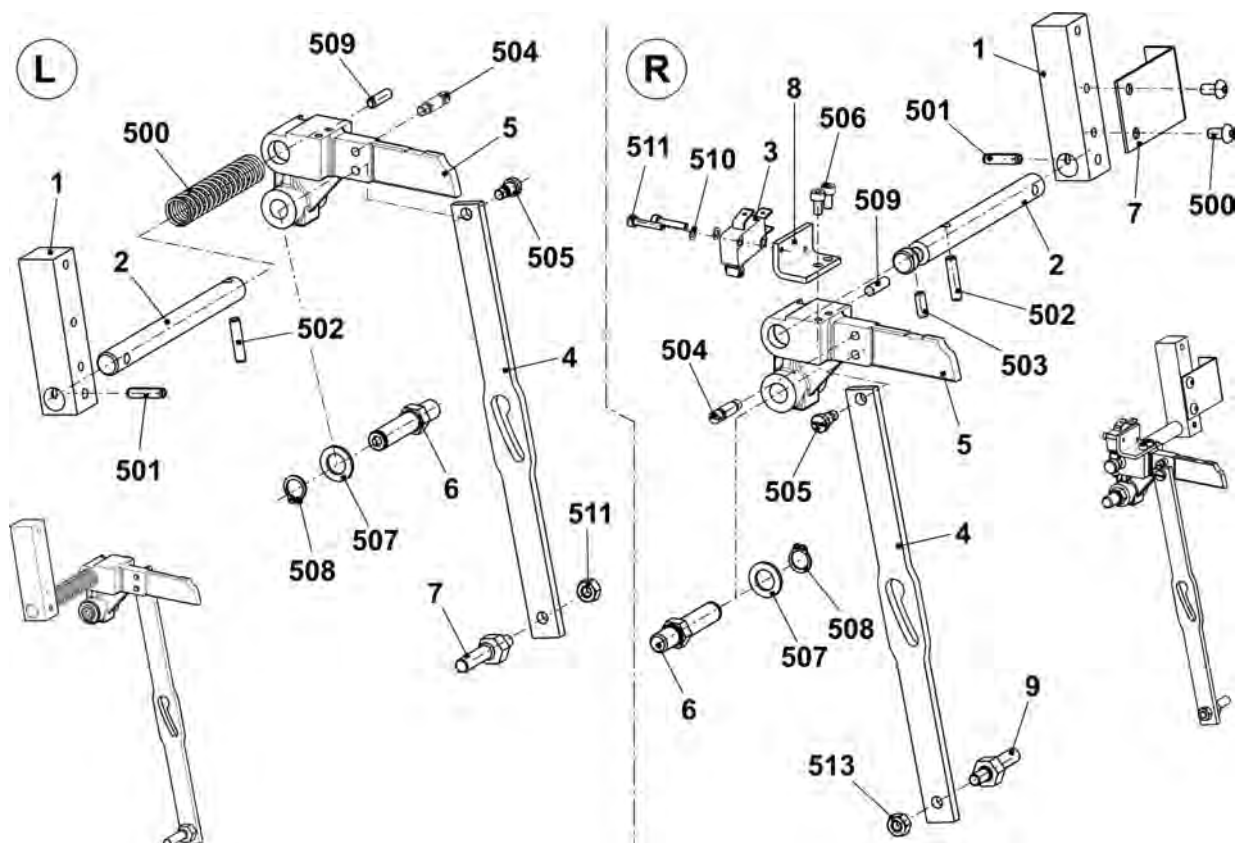
8.1.2.1 Drive shaft of comb

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive shaft comb complete	214 583			
1	Shaft	213 969	500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744	502	Setscrew M6x8	022 684
	Always order position 502 additionally		503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394	504	Set collar	020 938
	Always order position 503 additionally				



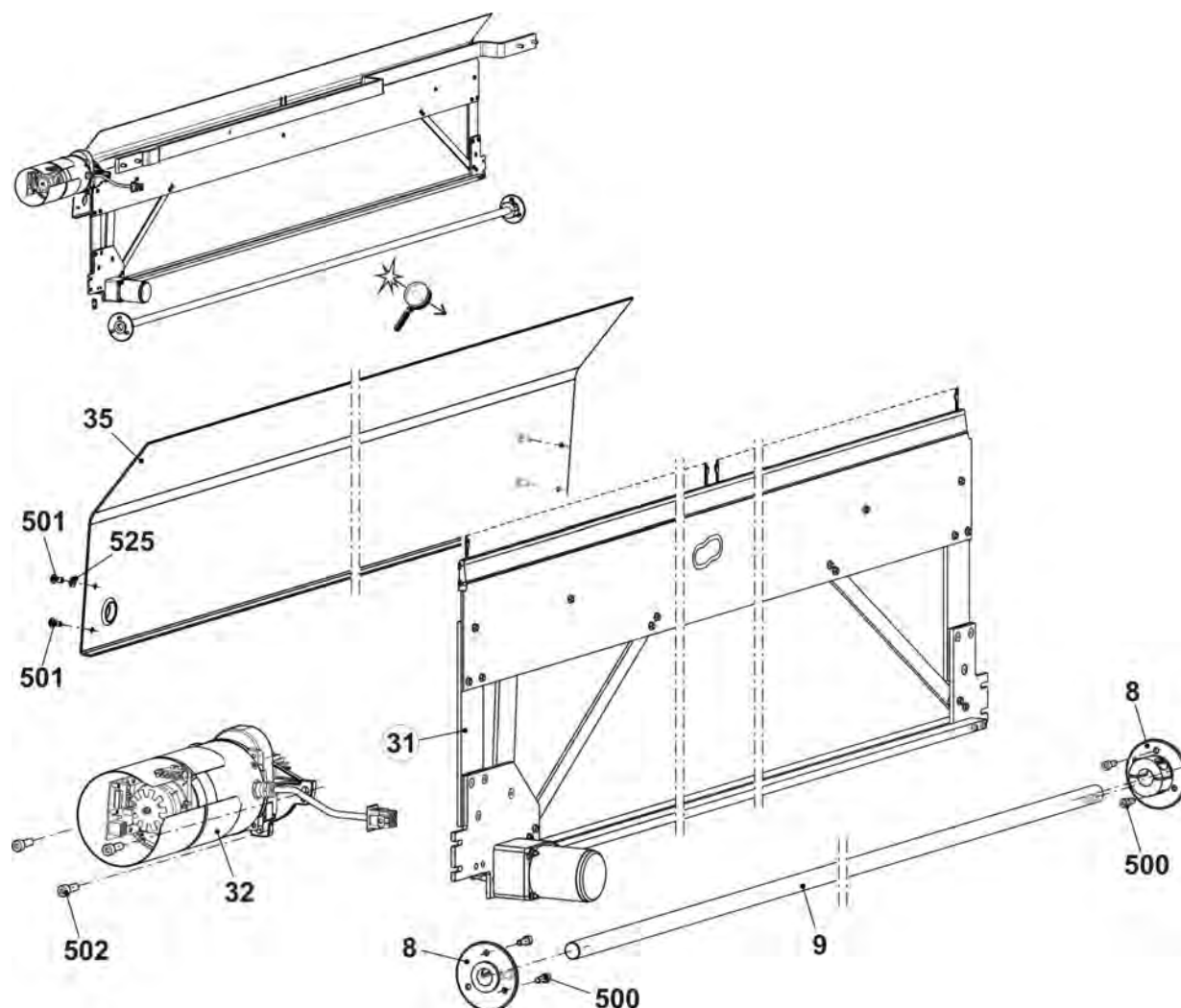
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ L	Swivel lever on the left	252 859	3	Microswitch	026 259
1	Support	252 780	4	Plunger	255 650
2	Shaft	223 994	5	Swivel lever	239 248
4	Plunger	255 650	6	Bolts	214 053
5	Swivel lever	239 248	7	Angle	224 009
6	Bolts	214 053	8	Angle	238 304
7	Eccentric bolt	255 651	9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572	500	Pan-head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794	501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716	502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618	503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365	504	Shoulder screwM5x29x35	251 618
507	Washer 10	020 884	505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950	506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539	507	Washer 10	020 884
511	Hexagon nut M8-6	020 838	508	Retaining ring10x1	020 950
Σ R	Swivel lever on the right	252 858	509	Shoulder screwM5X12X18	020 539
1	Support	252 780	510	Cap screw M3x16	022 583
2	Shaft	238 339	511	Washer 3	020 877
			513	Hexagon nut M8-6	020 838



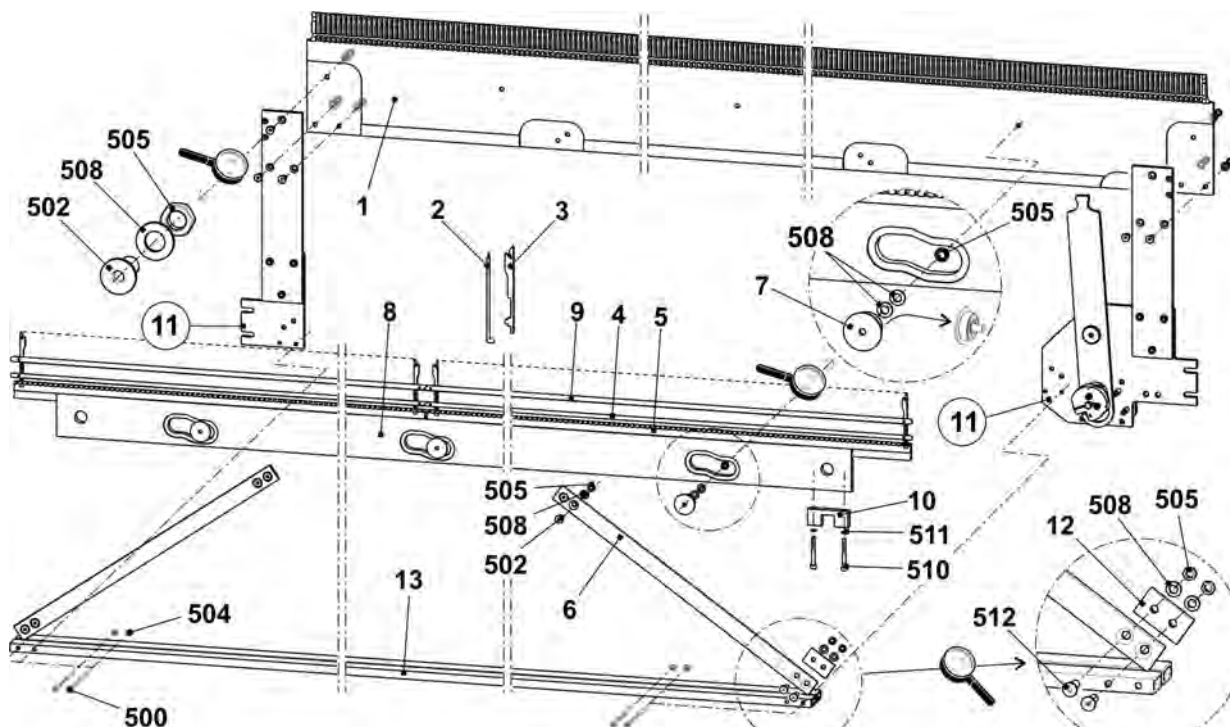
8.1.3 Comb take-down in the middle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Comb take-down in the middle E7.2	255 269	31	Comb unitE7.2	242 257
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	236 875	35	Marking plate	252 830
500	Cap screw M6x16	020 135	502	Cap screw M8x25	020 142
501	Pan head screw M5x10	023 247	525	Serrated lock washer J5,3	022 489



8.1.3.1 Comb unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb unit E7	242 257	11	Switching lever complete	240 060
1	Hook bedE7	237 469	12	Intermediate plate	218 742
2	CloserE7-14	230 105	13	Stabilizer	237 056
3	BodyE3-8	230 093	500	Cap screw M4x50	023 102
4	Cover rail	237 065	502	Countersunk head screw M5x12	023 340
5	Hook sliderE7+14	237 464	504	Hexagon nut M4-8	023 046
6	Strut	218 740	505	Hexagon nut M5-04	020 854
7	Collar bolt complete	211 036	508	Washer 5-200	020 871
8	Cross slider	237 069	510	Cap screw M4x30	023 290
9	Cover rail	237 074	511	Circlip	022 774
10	Plunger	205 678	512	Countersunk screw M5x16	023 417

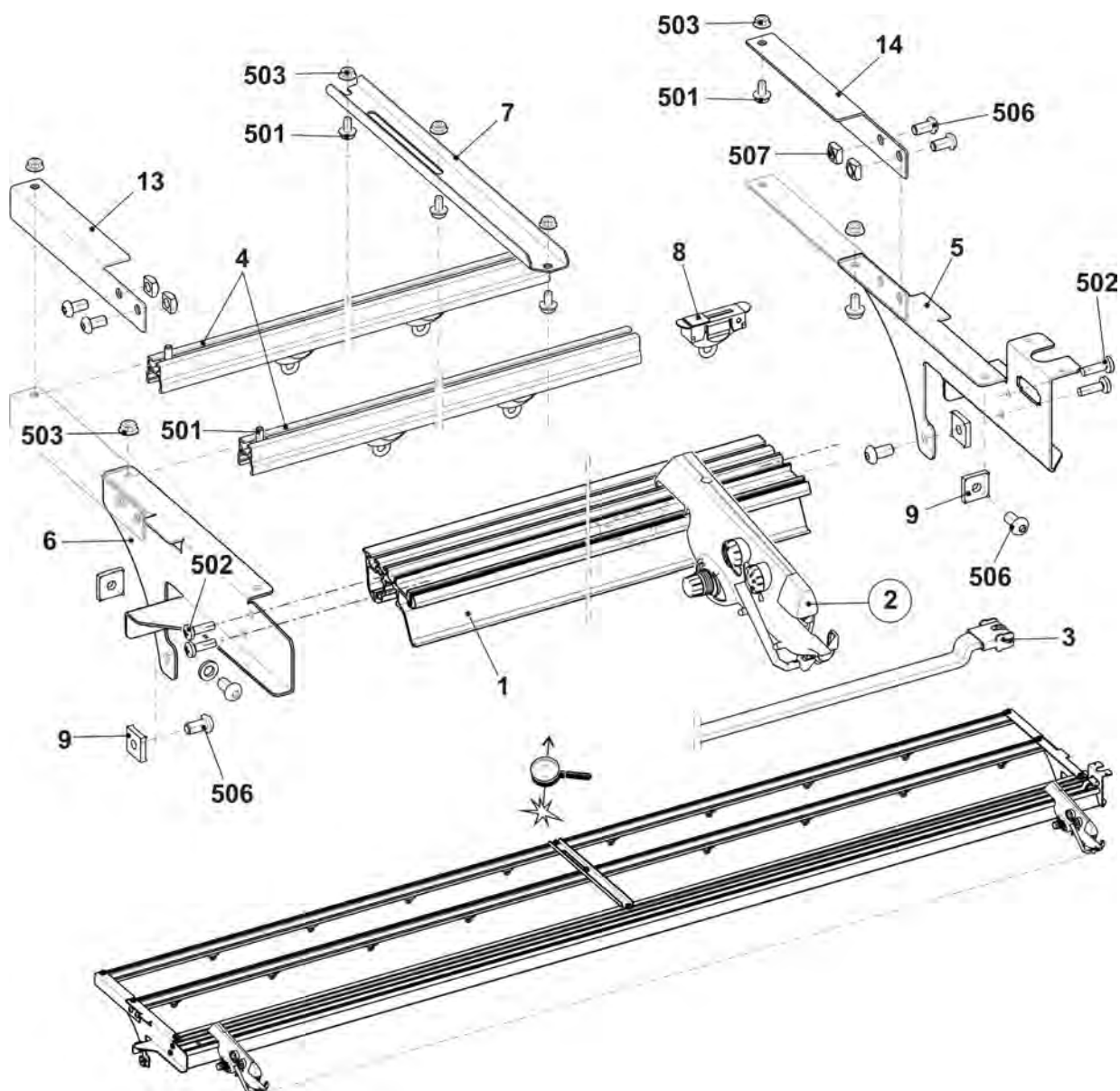


9 Yarn delivery device



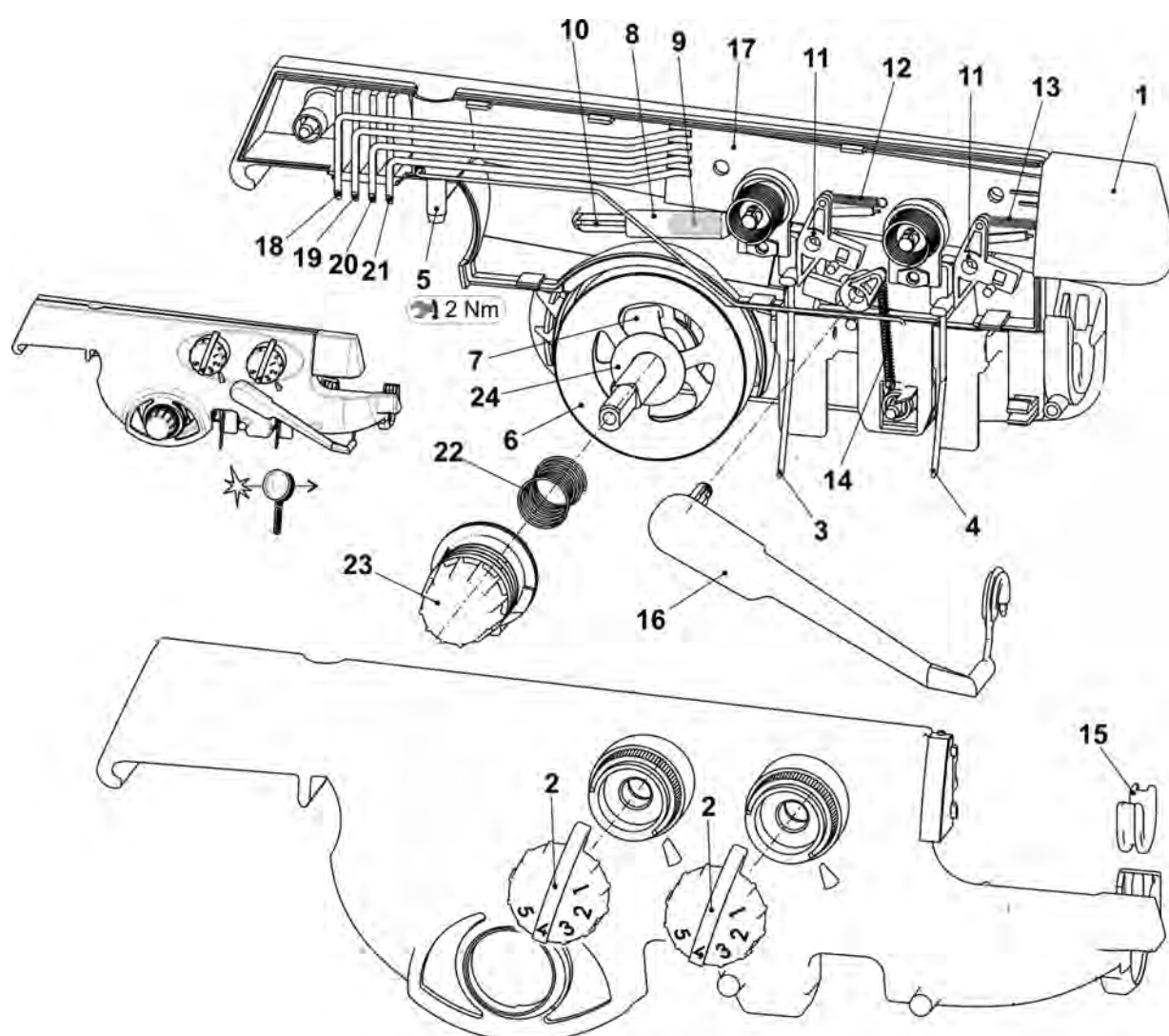
9.1 Yarn guide device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide device 32 FKE 84"	242 991	9	Slot nut	228 851
1	Support 84"	243 112	13	Support on the left	243 602
2	Yarn control device(FKE)	237 124	14	Support on the right	243 603
3	Connection cable FKE-3 84"	240 349	501	Self-locking screw M6x12	023 415
4	Yarn guide bar	236 932	502	Screw M6x20	023 721
5	Support on the right	243 601	503	Serrated nut M6-10	023 414
6	Support on the left	243 600	505	Washer 6-200	022 431
7	Straps	239 295	506	Pan-head screw M8x16	023 113
8	Yarn guide bracket complete	241 581	507	Square nut M8	023 269



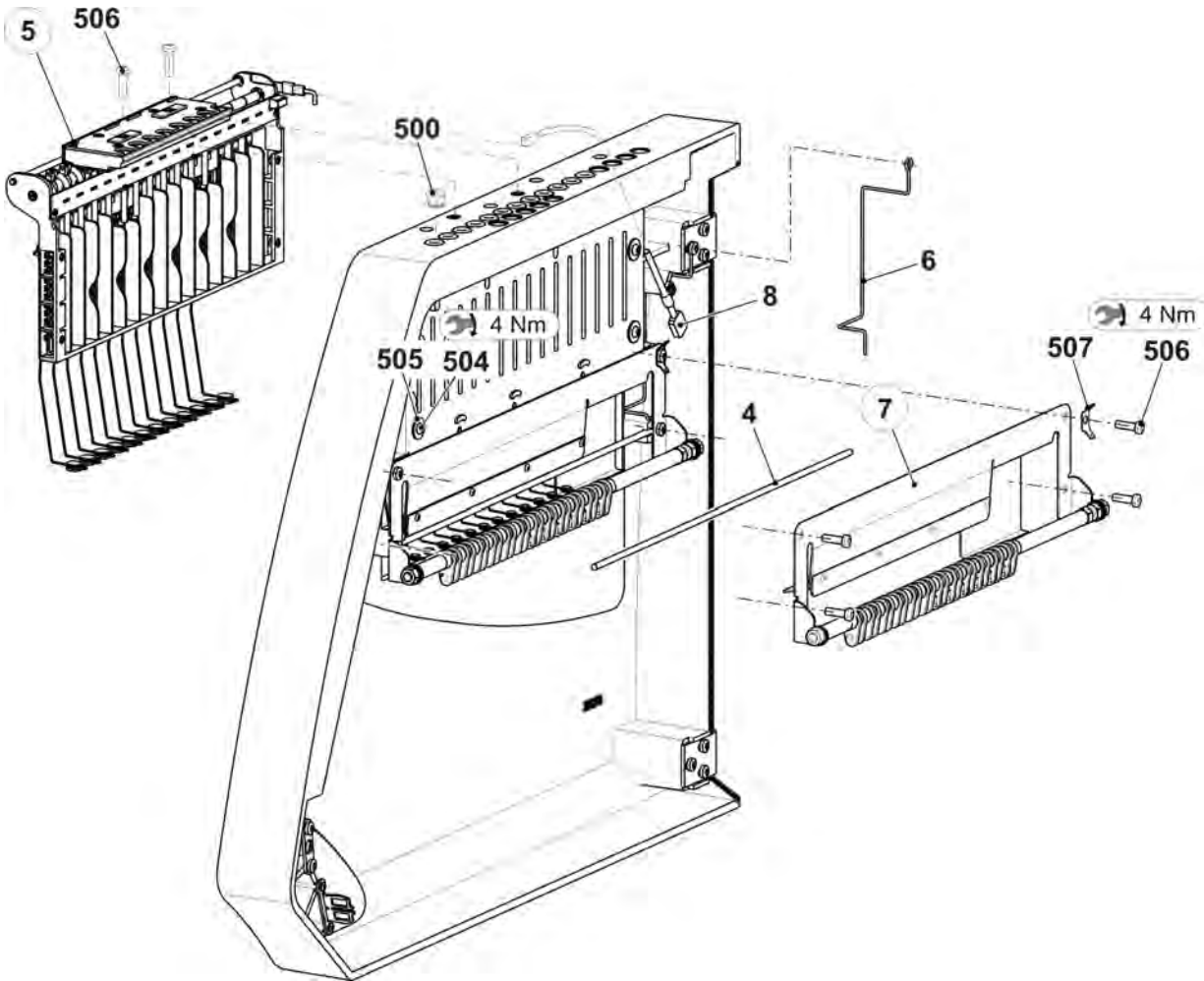
9.2 Yarn control device

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control device	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Turning knob	251 167	14	Tension spring	253 041
3	Knot detector for large knots	251 168	15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169	16	Stop bow	253 043
5	Screw	251 170	17	Jack	253 046
6	Yarn brake disk	216 365	18	Contact pin	253 047
7	Yarn holder	244 407	19	Contact pin	253 048
8	Sleeve	253 034	20	Contact pin	253 049
9	Compression spring	253 035	21	Contact pin	253 050
10	Pin	253 036	22	Compression spring	253 055
11	Trip cam	253 037	23	Turning knob	253 056
12	Tension spring	253 038	24	Disk	216 372



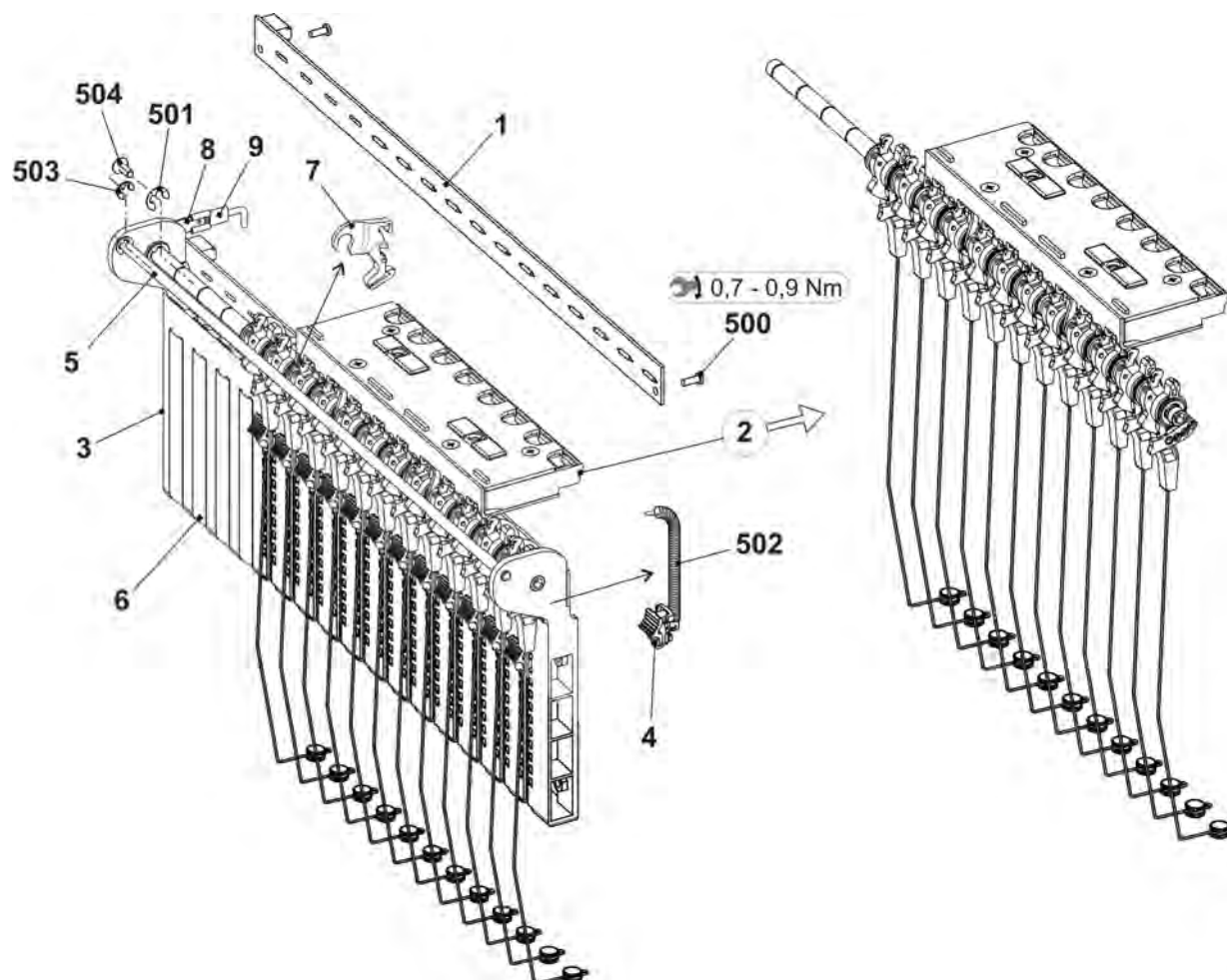
9.3 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E10-18	265 330			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the left complete E10-18	241 365	504	Pan-head screw M5x16	265 377
6	Wire bow on the left	265 052	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the left complete	265 285	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



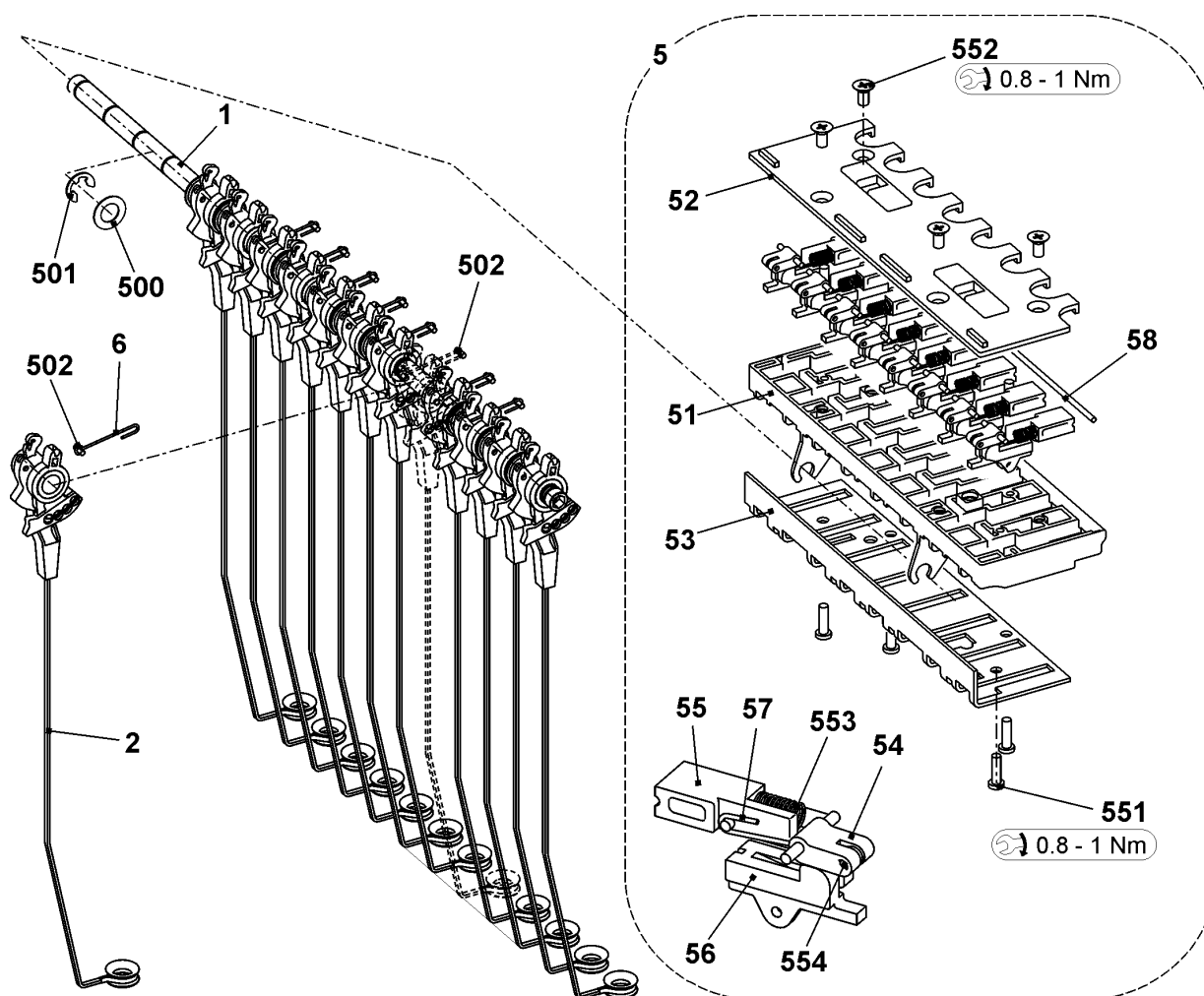
9.3.1 Left yarn tensioner

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn tensioner on the left complete E5	241 363			
1	Card yarn tensioner 16--fold on the left	241 345	8	Grounding plate of tension axle	243 121
2	Tension axle on the left complete E3-8	241 366	9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 5,05x0,555x53	023 502
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



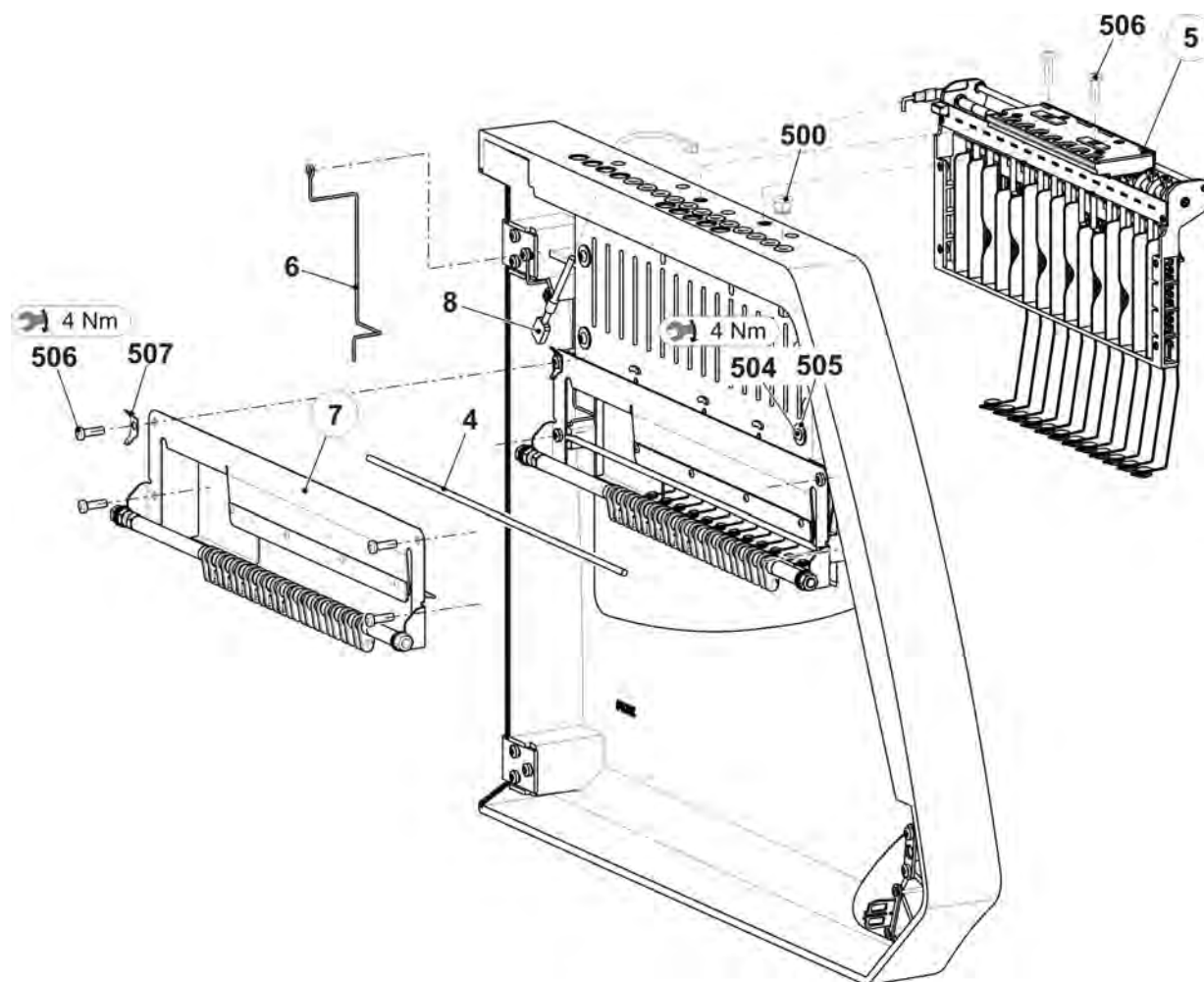
9.3.1.1 Left tension axle

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension axle on the left complete E3-8	241 366	57	Wire bow	238 694
1	Axle	243 107	58	Wire	237 940
2	Tension arm pre-assembled E3-8	259 448	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	6	Wire bow	238 694
54	Lever AKF	238 692	500	Shim ring 8x14x0,5	023 501
55	Pressure piece AKF	238 690	501	Circlip	021 022
56	Slider AKF	238 691	502	Grooved pin 2x6	243 172



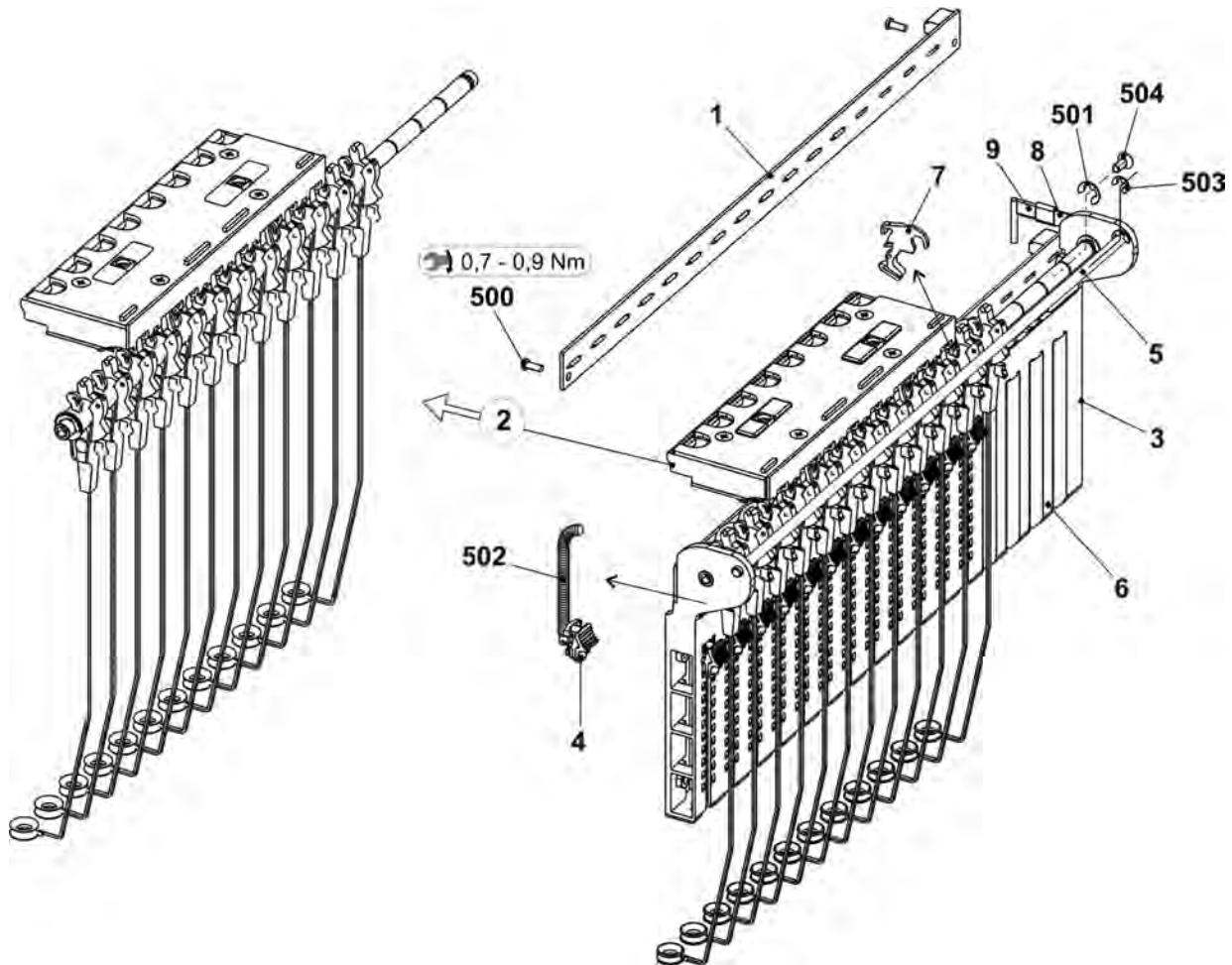
9.4 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E5	265 331			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete E3-5	241 382	504	Pan head screw M5x16	265 377
6	Wire bow on the right	265 053	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the right complete	265 356	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



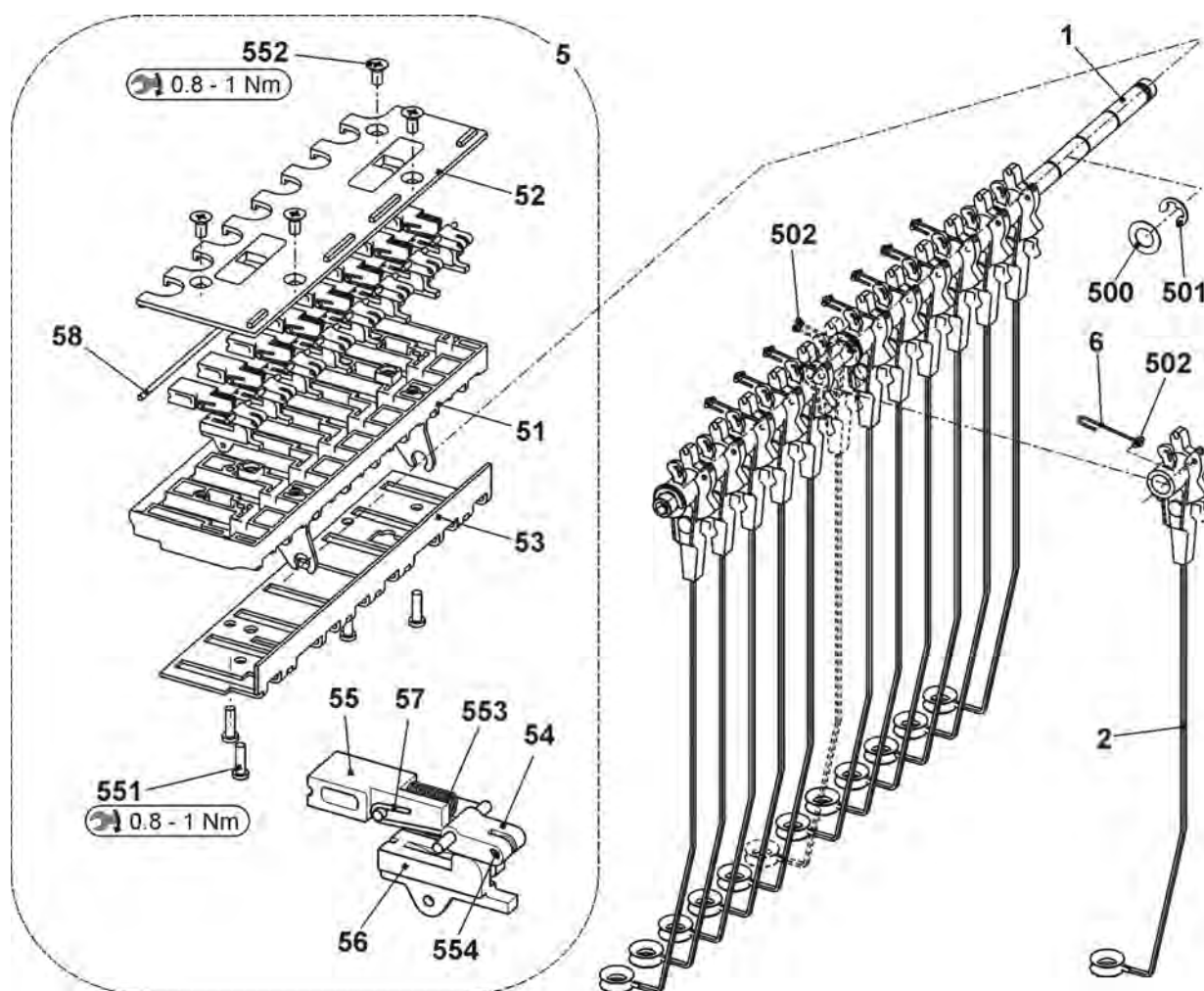
9.4.1 Right yarn tensioner

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn tensioner on the right complete E5	241 382			
1	Card yarn tensioner 16-fold on the right	241 346	8	Grounding plate of tension axle	243 121
2	Tension axle on the right complete E3-5	241 379	9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 5,05x0,55x53	023 502
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



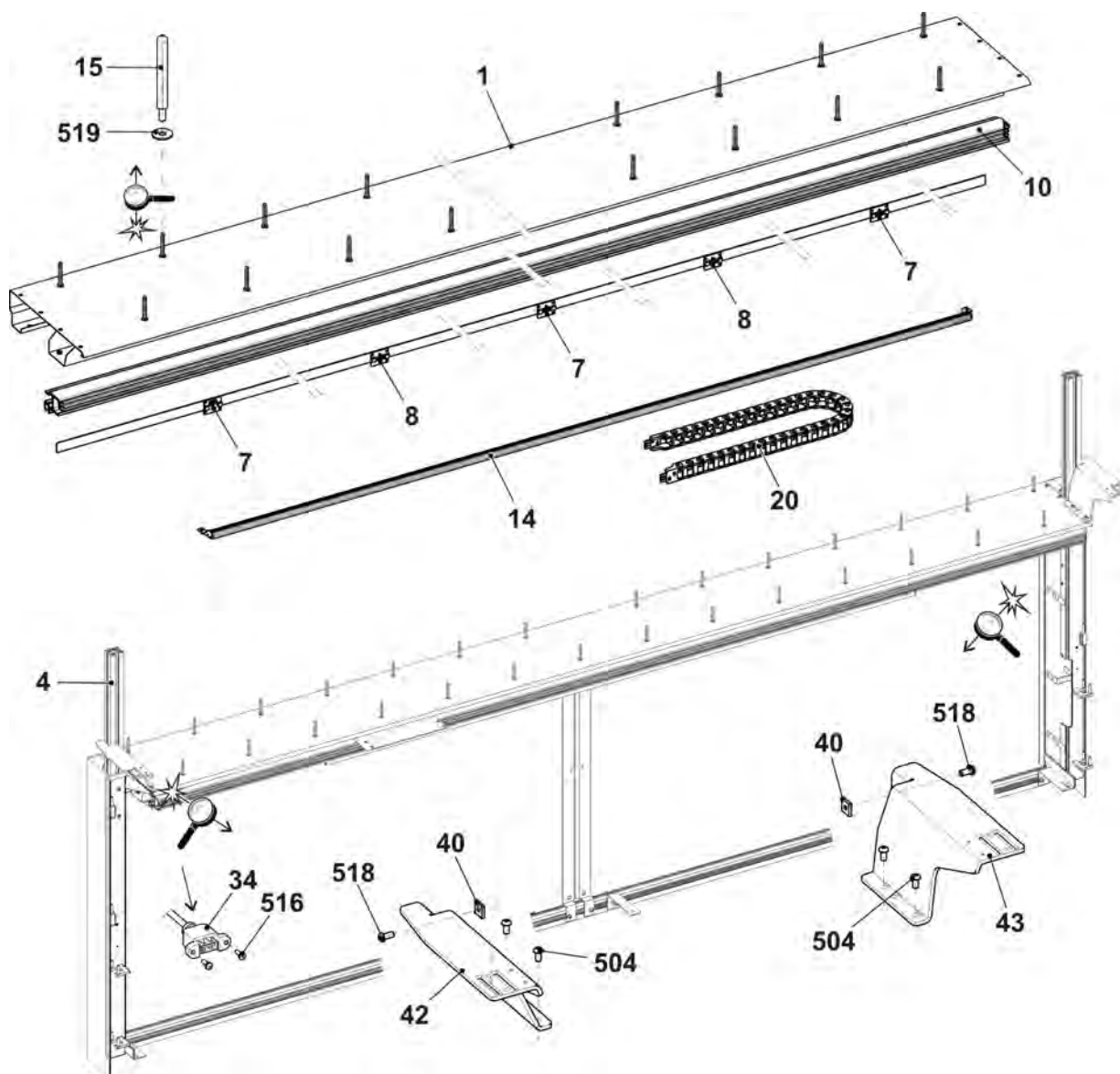
9.4.1.1 Right tension axle

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension axle on the right completeE3-8	241 379	57	Wire bow	238 694
1	Axle	243 107	58	Wire	237 940
2	Tension arm pre-assembledE3-8	259 448	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	HousingAKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	6	Wire bow	238 694
54	Lever AKF	238 692	500	Shim ring 8x14x0,5	023 501
55	Pressure piece AKF	238 690	501	Circlip	021 022
56	SliderAKF	238 691	502	Grooved pin 2x6	243 172



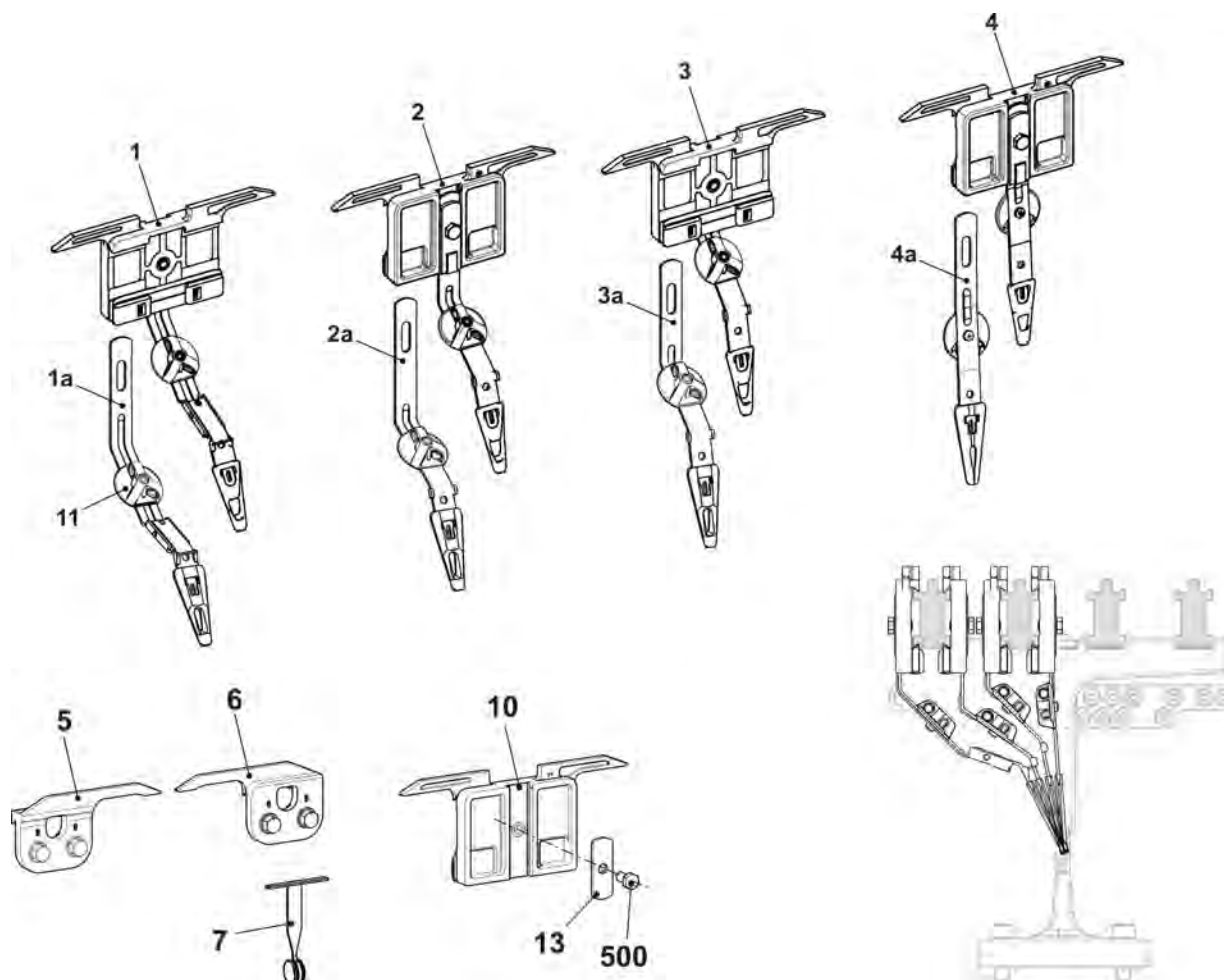
9.5 Bobbin board

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Table complete 84"	240 681			
1	Table	251 246	37	Cable USB extension 84 okc	243 070
4	Support element	228 594	40	Slot nut	228 851
7	Magnet switch safety door	219 983	42	Support of left feed wheel	264 453
8	Magnet switch safety door	220 159	43	Support of right feed wheel	264 454
10	Guide rail at the top complete	264 894	504	Pan head screw M8x16	023 113
14	Lamp LED complete	264 767	516	Pan head screw M3x8	023 251
15	Positioning pin	204 819	518	Pan head screw M8x18	251 331
20	Energy chain display 38 links	253 888	519	Washer	020 901



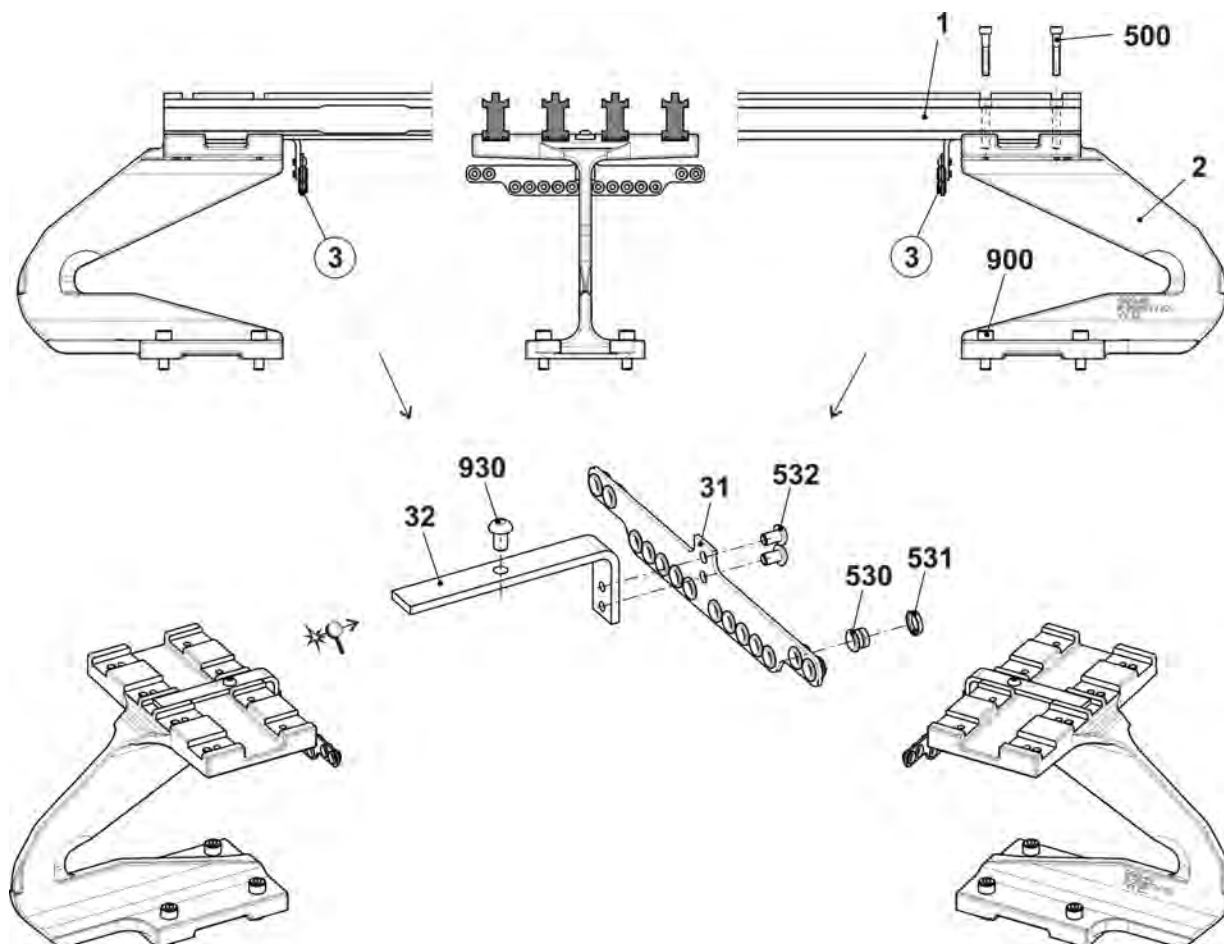
9.6 Yarn guide complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E5	244 007			
1	FF carriage 1+8 complete E5	243 935	1a	FF bow 1+8 complete E5	212 990
2	FF carriage 2+7 complete E5	243 934	2a	FF bow 2+7 complete E5	212 992
3	FF carriage 3+6 complete E5	243 933	3a	FF bow 3+6 complete E5	212 991
4	FF carriage 4+5 complete E5	243 932	4a	FF bow 4+5 complete E5	212 993
5	Limiter on the left complete	244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete	244 098	13	Shim	213 035
7	Slider with eyelet	230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete	243 062			



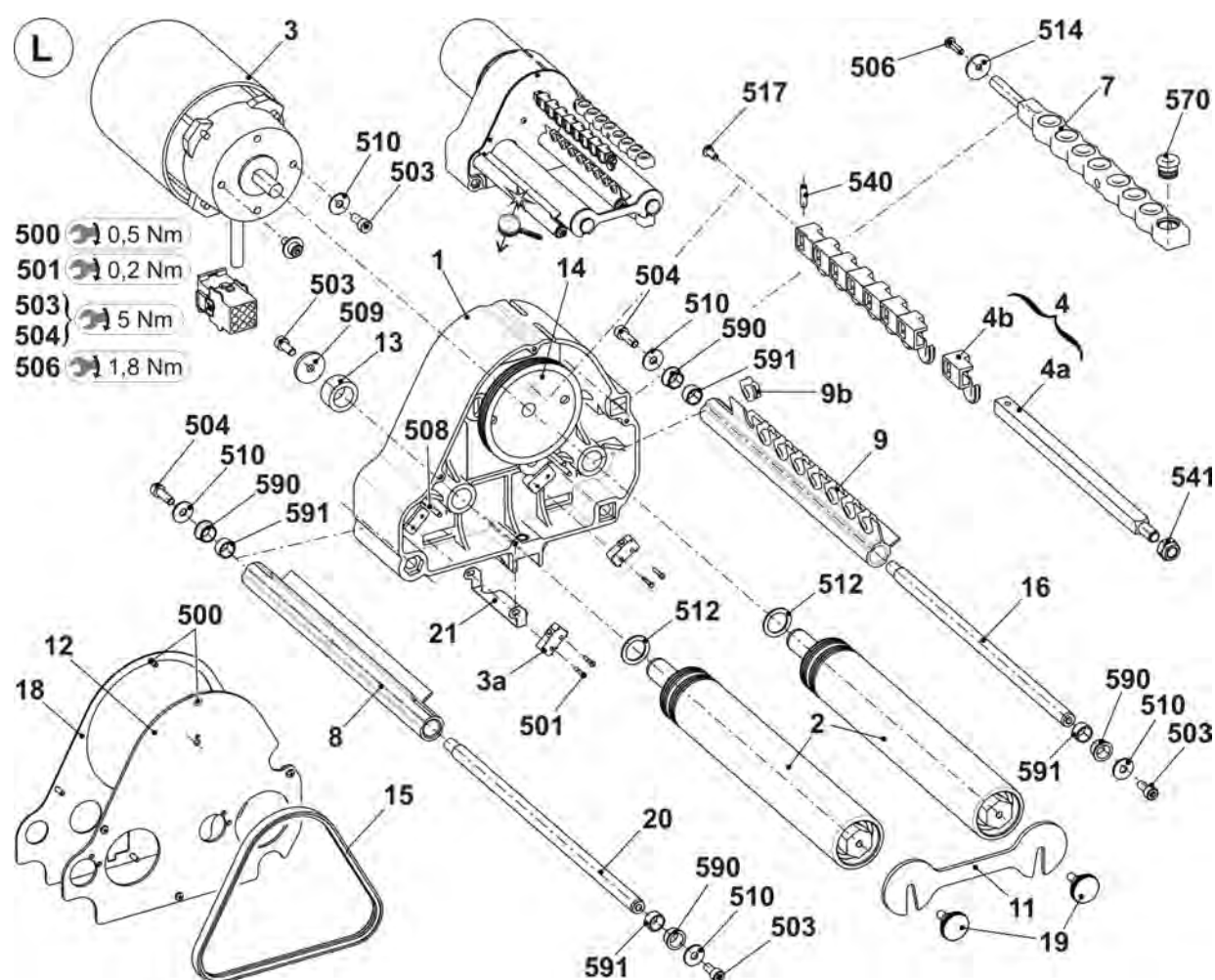
9.7 Bar unit

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Bar unit	244 103			
1	Yarn carrier rail	255 467	530	Eyelet 4,2	021 502
2	FF support	253 674	531	Clamping ring	259 606
3	Yarn guide bracket complete	265 433	532	Pan-head screw M5x8	239 408
	31 Eyelet holder complete	265 434	930	Pan-head screw M6x10	023 183
	32 Holding angle	259 574	500	Cap screw M6x35	020 139
			900	Cap screw M8x25	020 142



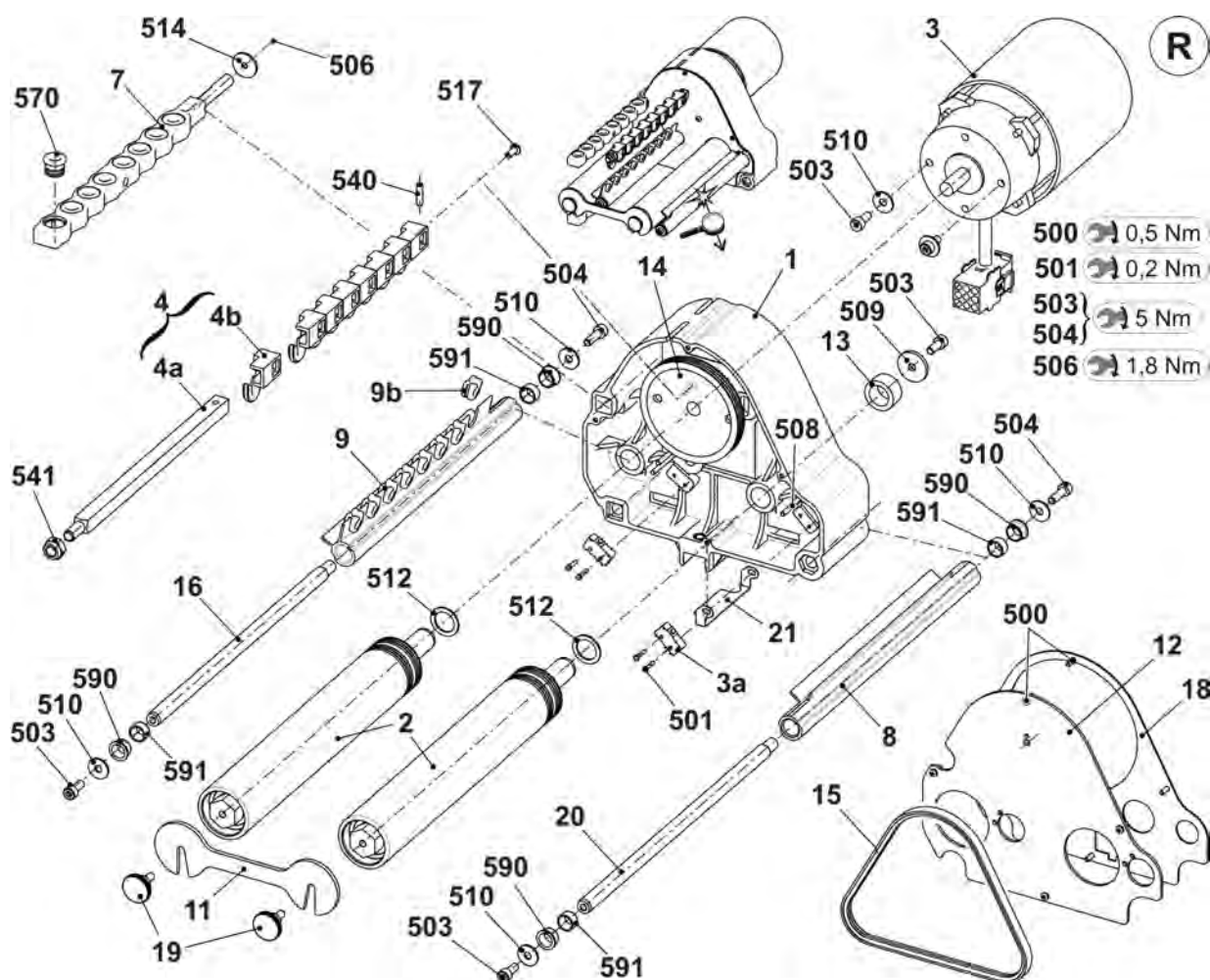
9.8 Left friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the left	264 324	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the left complete with eyelets	230 683	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



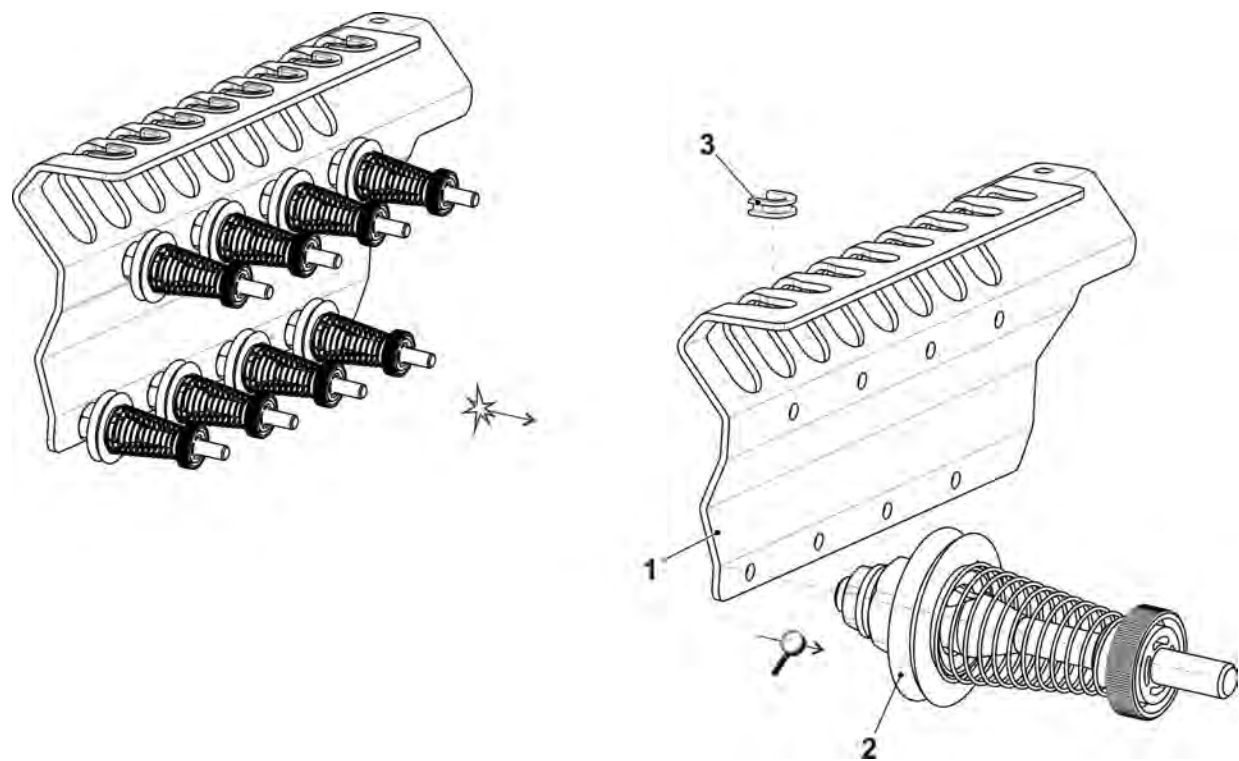
9.9 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right	264 325	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the right complete with eyelets	230 682	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



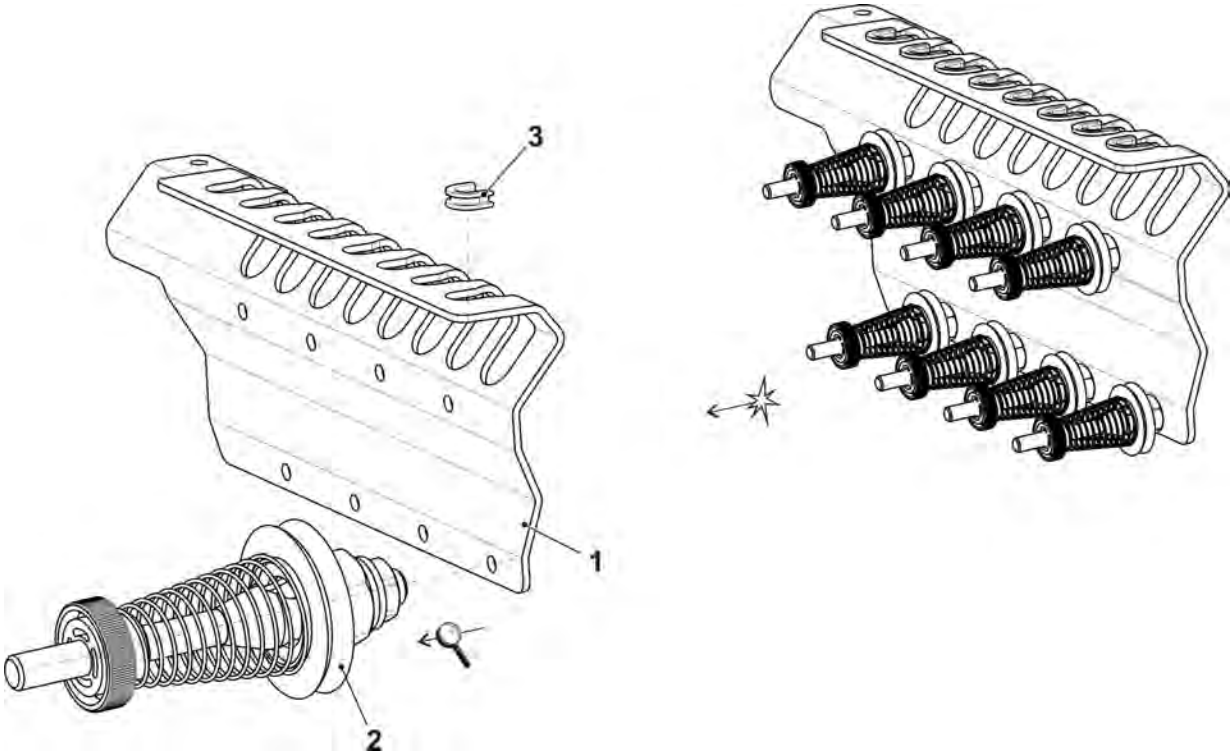
9.10 Stopping device on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the left E3-8	265 055	2	Yarn brakeE5-8	264 353
1	Stopping device on the left E3-8	264 993	500	Ceramic eyelet open	240 733

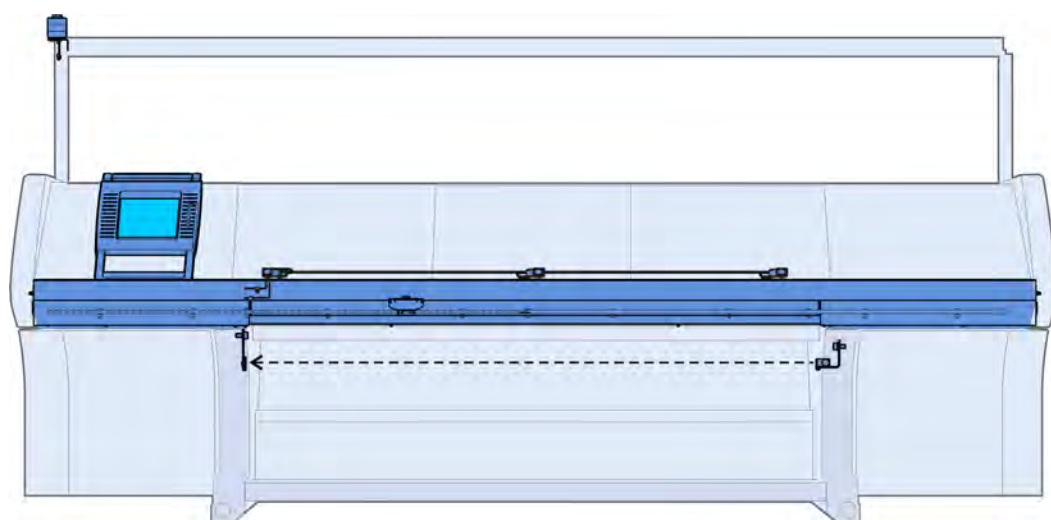


9.11
Stopping device on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the right E3-8	265 054	2	Yarn brakeE5-8	264 353
1	Stopping device on the right E3-8	264 992	500	Ceramic eyelet open	240 733

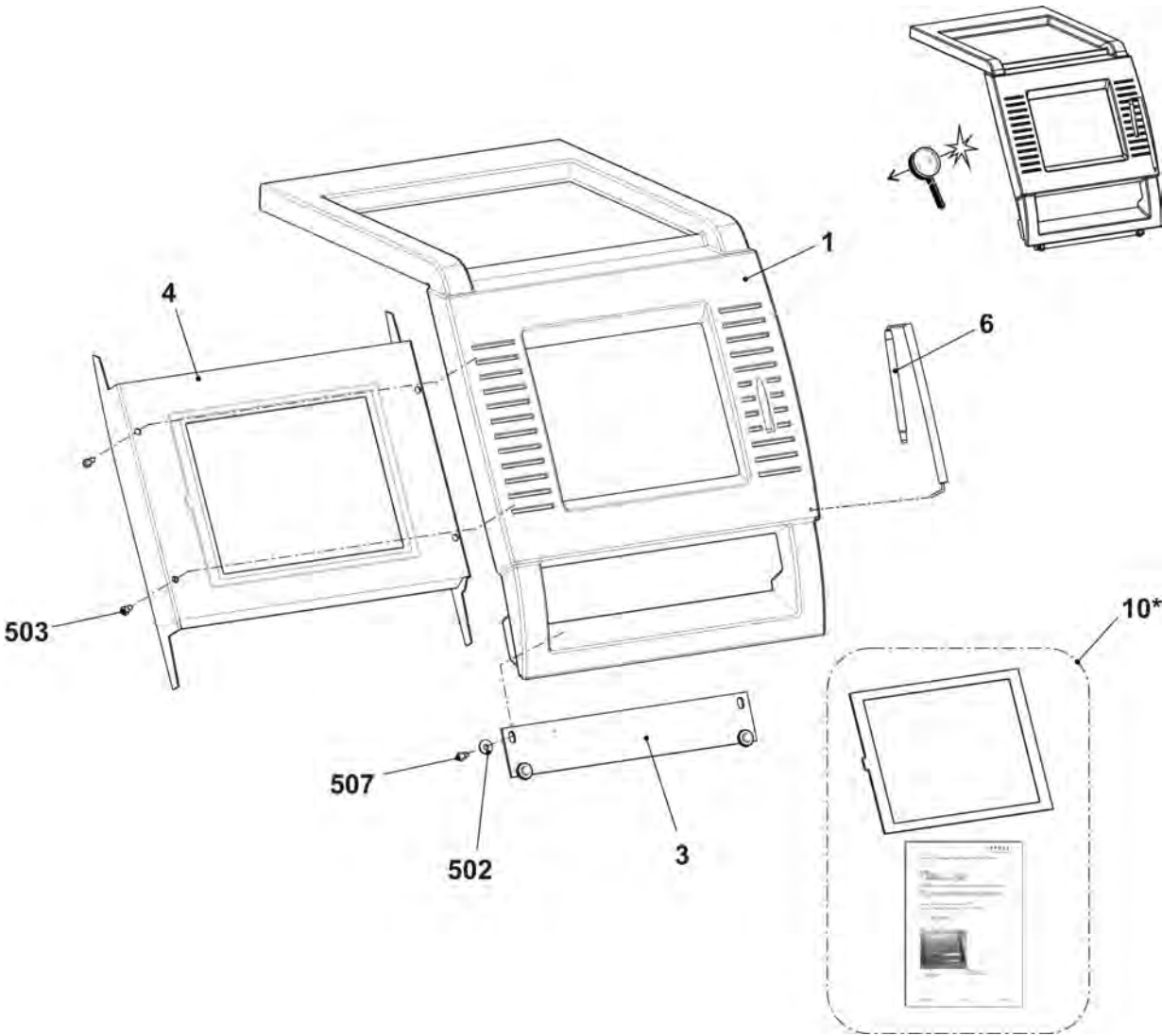


10 Operation and control



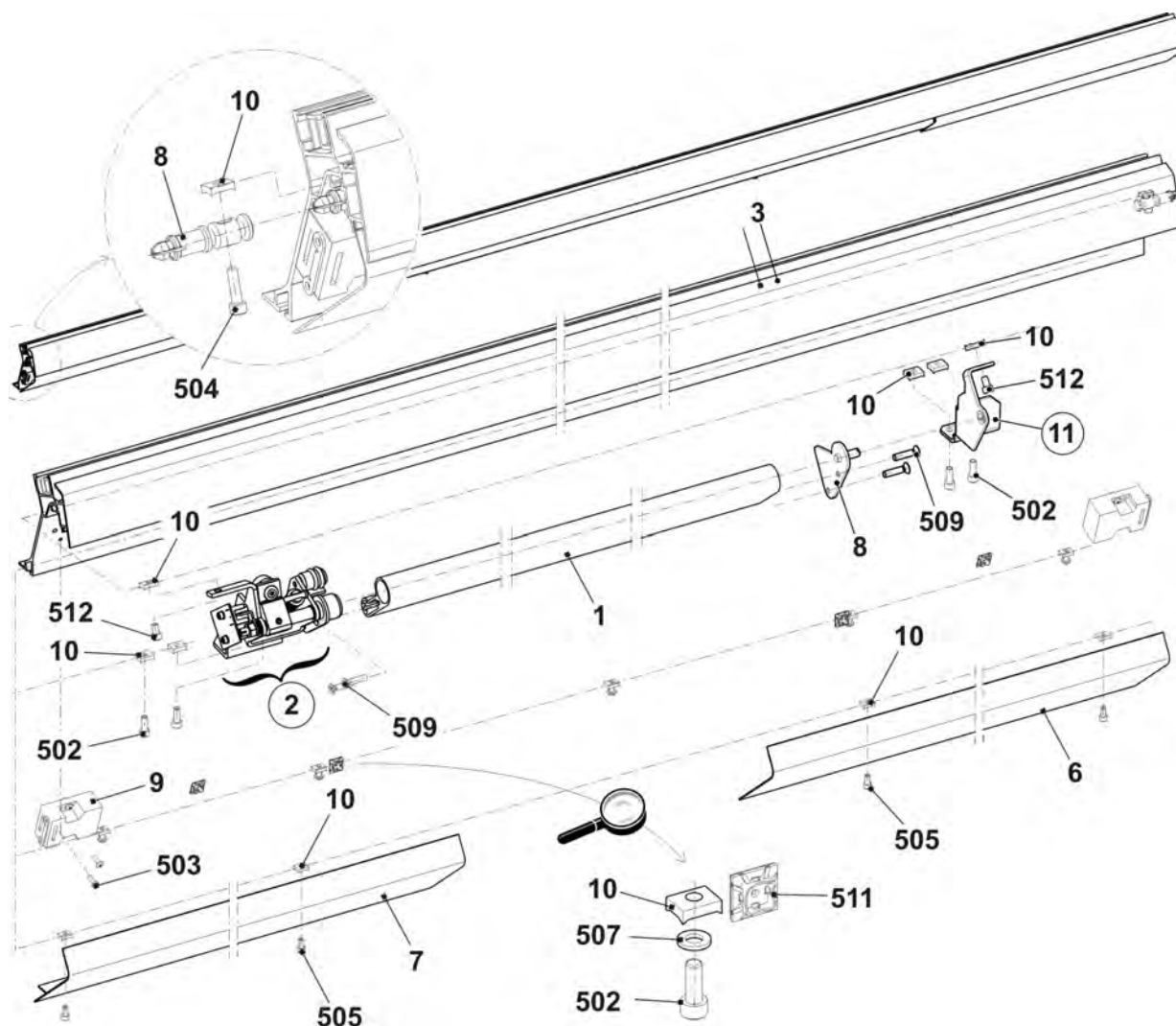
10.1 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Input unit complete	240 194			
1	Base frame	240 195	10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198	502	Washer	020 901
4	Display touch complete	250 298	503	Screw KB 50x12	240 359
6	Touch pen	242 812	507	Screw KB 50x15	251 728



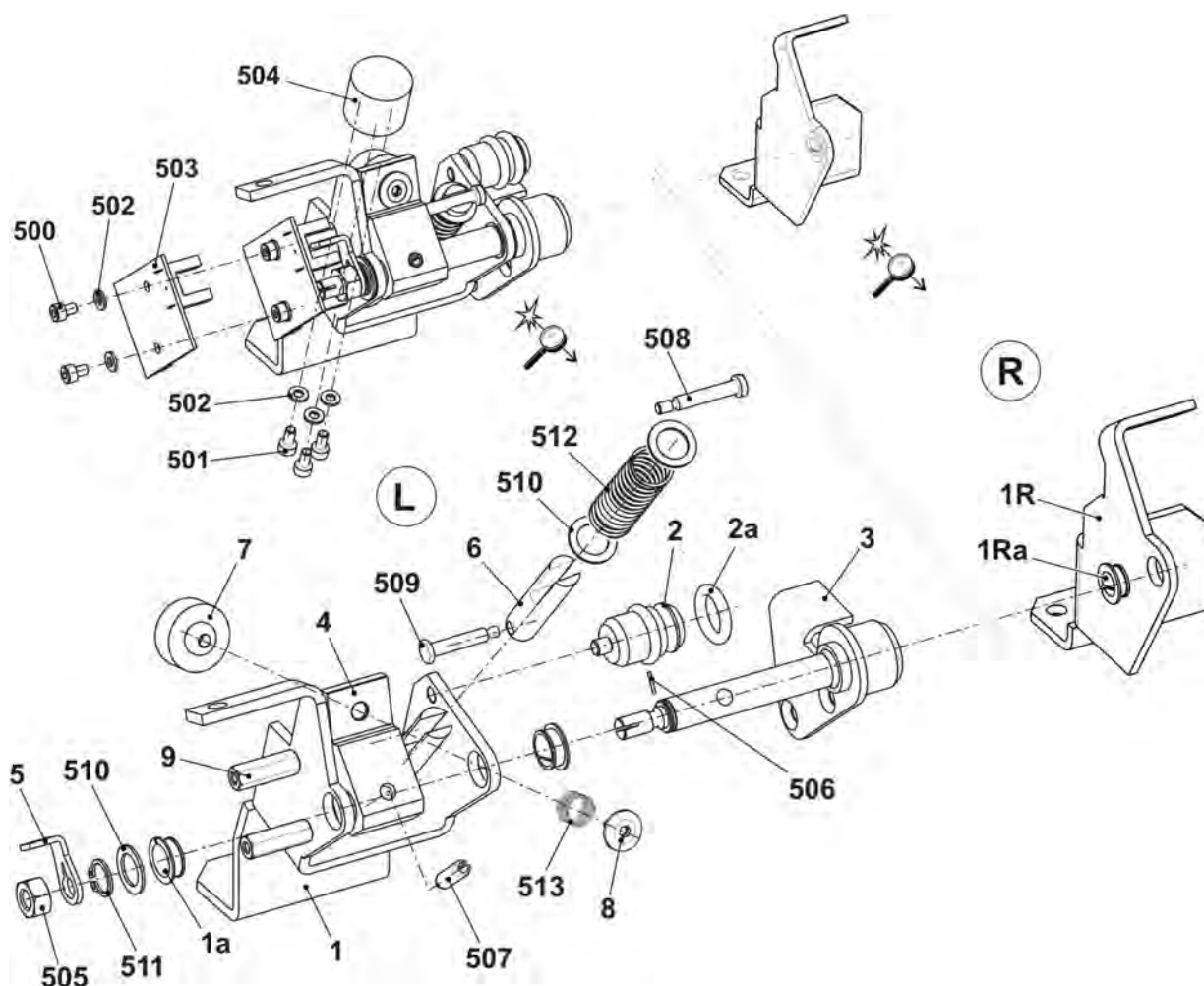
10.2 Starting device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Starting device complete	241 039	11	Bearing on the right complete	264 800
1	Engaging Rod	241 030	502	Cap screw M6x16	020 135
2	Bearing on the left complete	250 071	503	Pan head screw M5x14	023 588
3	Guide rail at the bottom complete	257 540	504	Cap screw M6x20-12.9	020 136
6	Cover plate on the right	251 216	505	Cap screw M6x12	020 134
7	Cover plate on the left	251 217	507	Washer	020 872
8	Locating bolt	219 107	509	Screw M6x25	023 510
9	Switch with cable to safety doors	223 350	511	Cable holder	262 037
10	Sliding nut (slot nut)	225 099	512	Cap screw M6x10	023 690



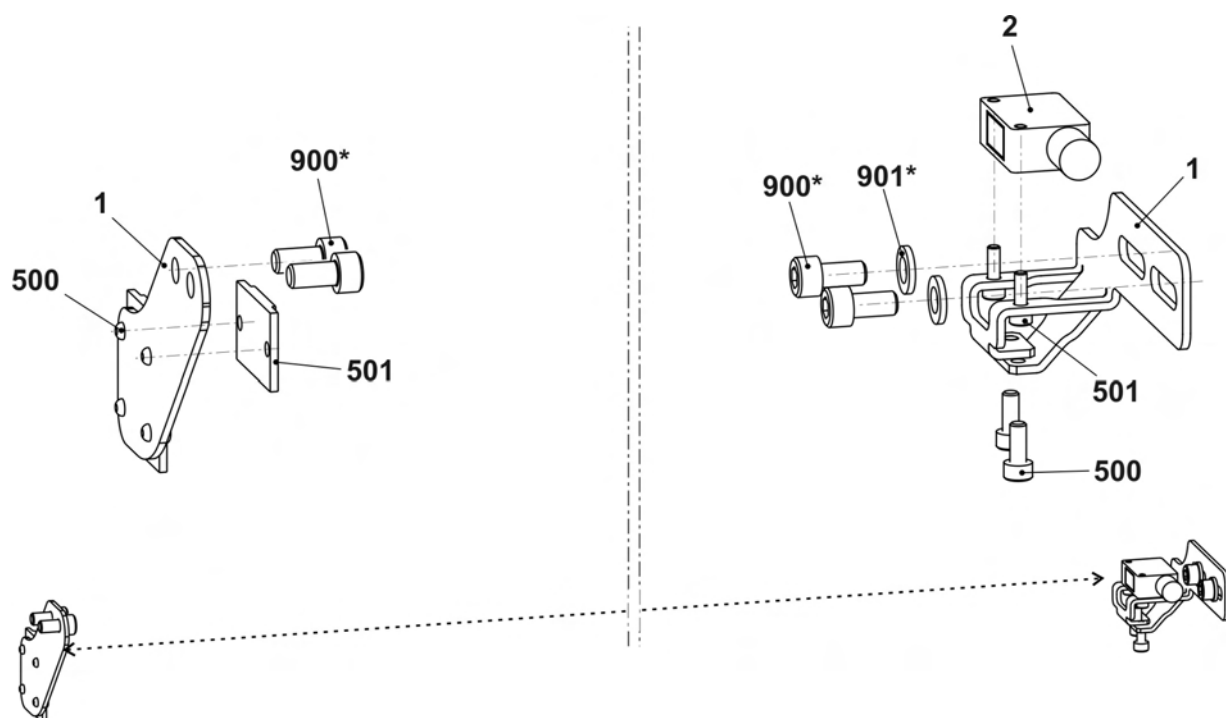
10.2.1 Bearing of the engaging rod

Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Bearing on the left complete	250 071	502	Shim ring 4x8x1	023 369
1	Bearing on the left	245 218	503	Card engaging	259 000
1a	Clip bearing MCM 12-04	023 639	504	Adhesive magnet direct current	026 233
2	Support of buffer	220 561	505	Hexagon nut M8-6	020 838
2a	O-ring 14x4	023 237	506	Dowel pin 1,5x8	236 923
3	Shaft on the left	245 219	507	Spring dowel sleeve 6x20	023 719
4	Rotor	253 776	508	Shoulder screw M4x24,8x7,7	240 299
5	Switch flag	245 220	509	Shoulder screw	251 316
6	Spring mandrel	251 340	510	Shim ring 12x18x1	023 315
7	Disk	245 222	511	Retaining ring 12x1	020 951
8	Shoulder screw	254 528	512	Compression spring 1,25x15x98,2	023 609
9	Distance bolt	240 287	513	Compression spring 0,5x11x20,21	265 082
500	Cap screw M4x6	023 067	1R	Bearing on the right	264 800
501	Cap screw M4x8	022 501	1Ra	Clip bearing MCM 08-03	253 072



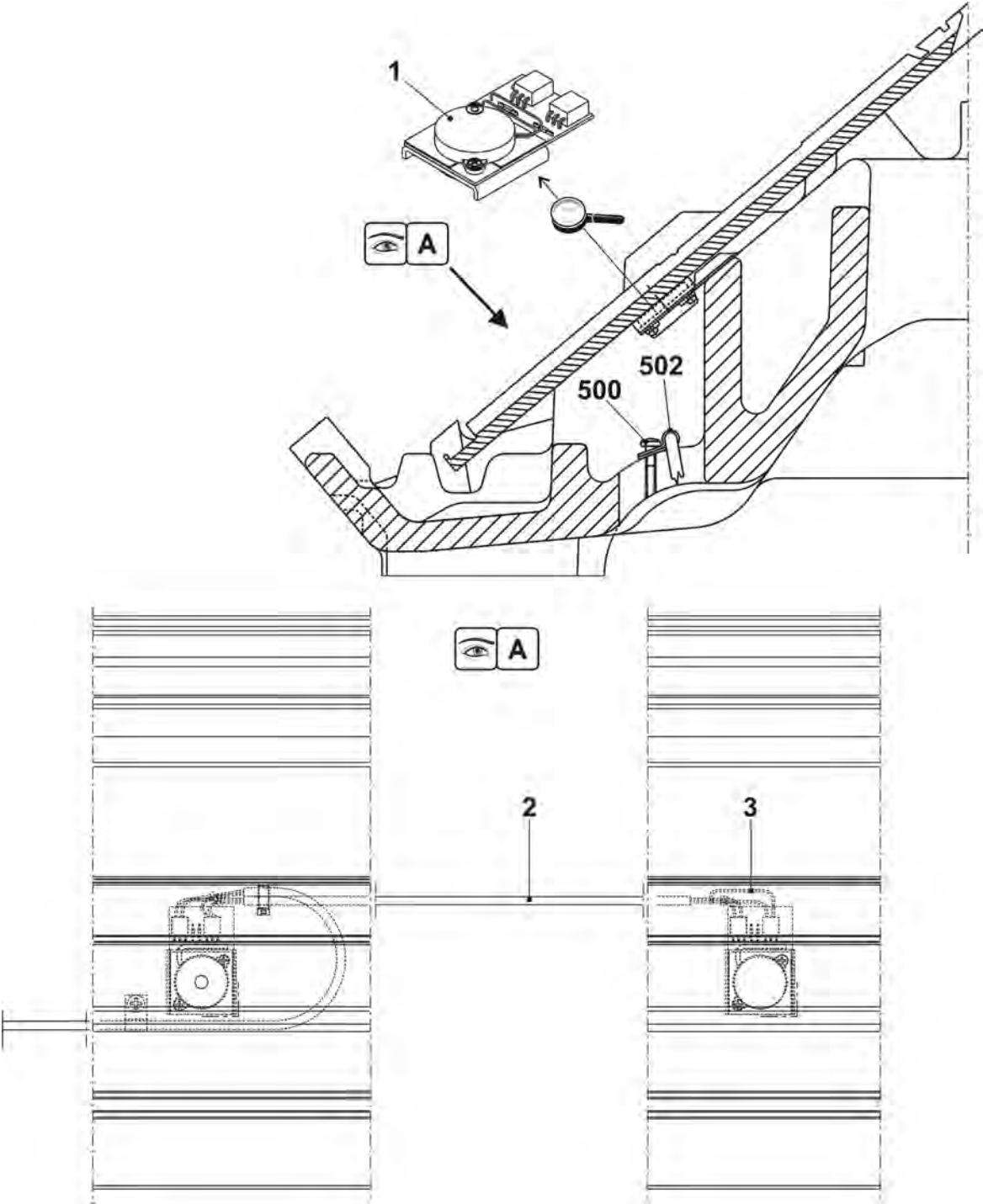
10.3 Control of Collecting Area

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Reflector complete	261 374	Σ	Holding angle light barrier	257 409
1	Mounting plate reflector	261 375	1	Holding angle	256 806
500	Blind rivet A3x8-Al	023 158	2	Light barrier WI100-P4330	243 355
501	Reflector 20x20 mm	243 356	500	Cap screw M4x10	023 136
900*	Cap screw M6x12	020 134	501	Cap screw M3x10	022 991
			900*	Cap screw M6x12	020 134
			901*	Washer 6	020 872



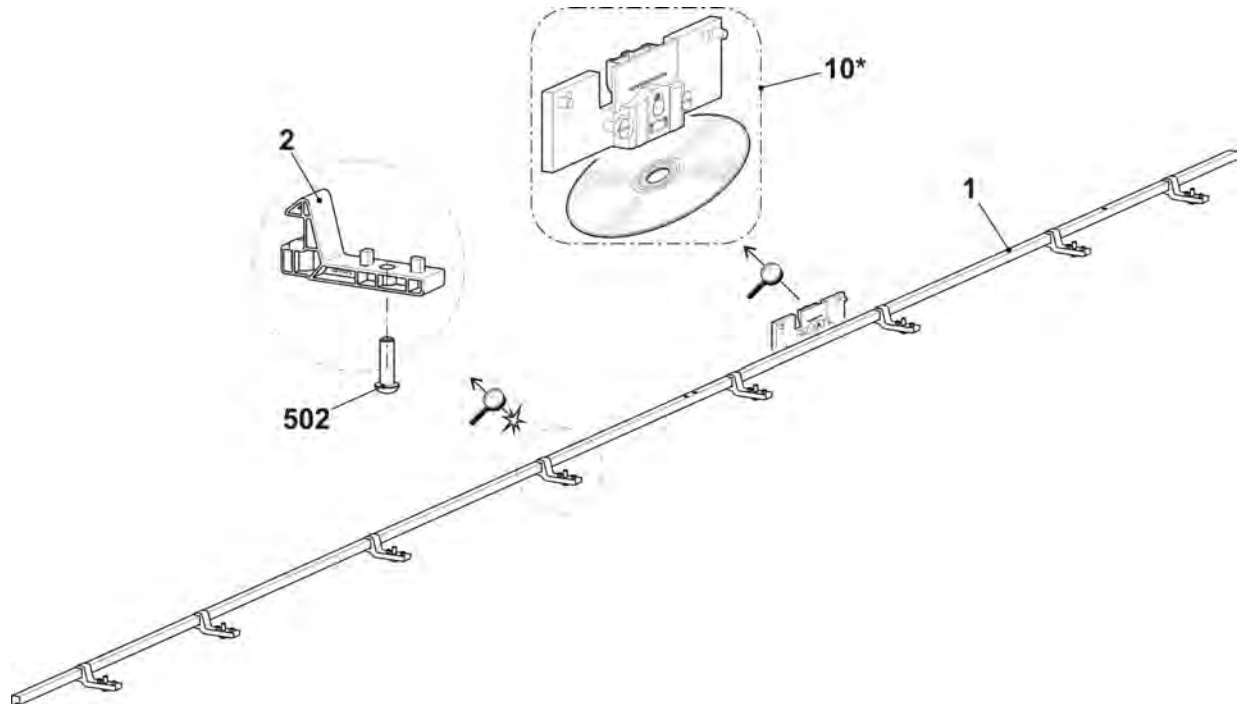
10.4 Shock stop motion

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Shock stop motion complete E3	223 947	3	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011	500	Pan-head screw M4x8	023 036
2	Connecting cable piezo sensor	220 061	502	Cable clip N-3B, 5 mm	210 729

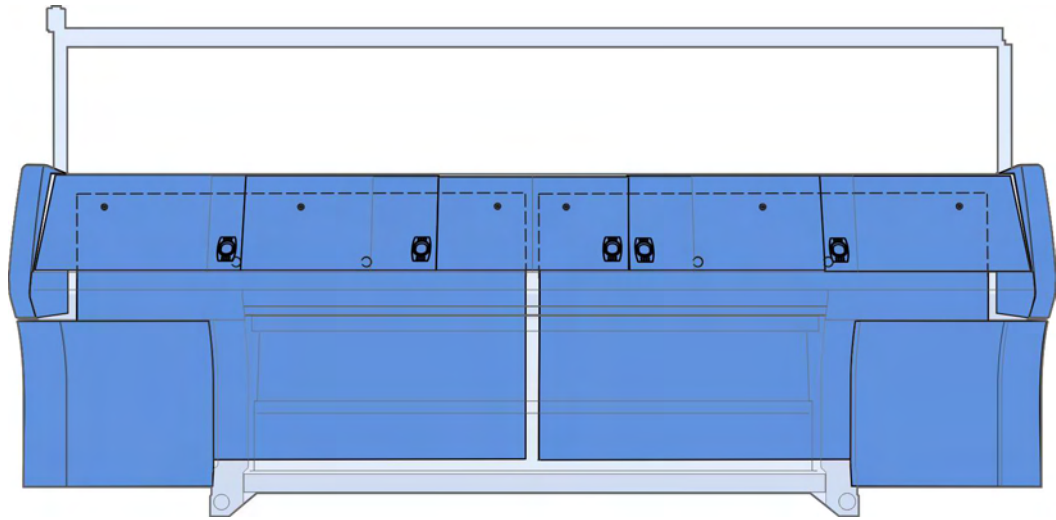


10.5 Measuring device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Measuring device				
1	Measuring bar	258 308	10*	Spare parts package impulse sensor GLM OH	266 961
2	Guide	212 210	502	Pan head screw M6x20	241 603

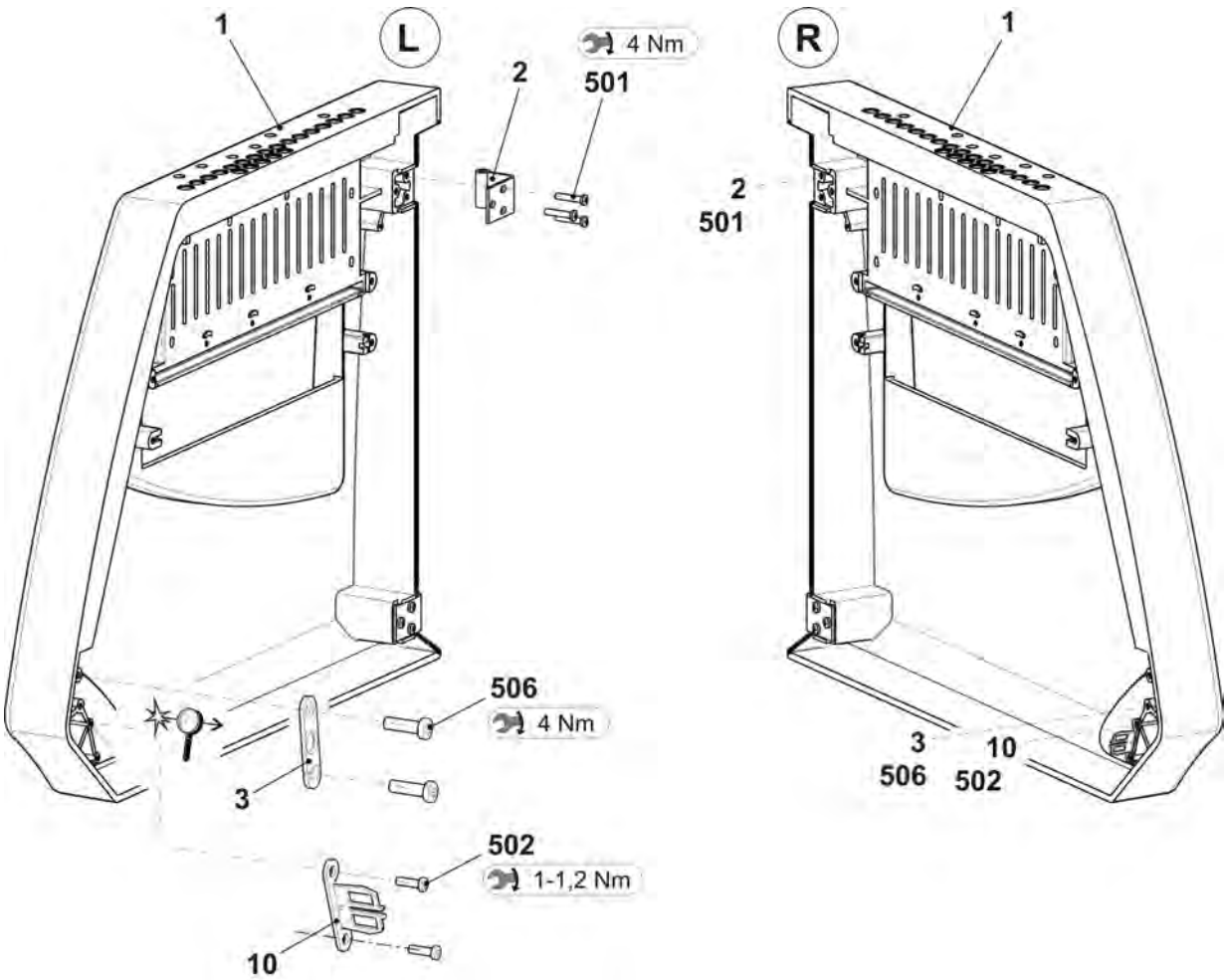


11 Protective devices



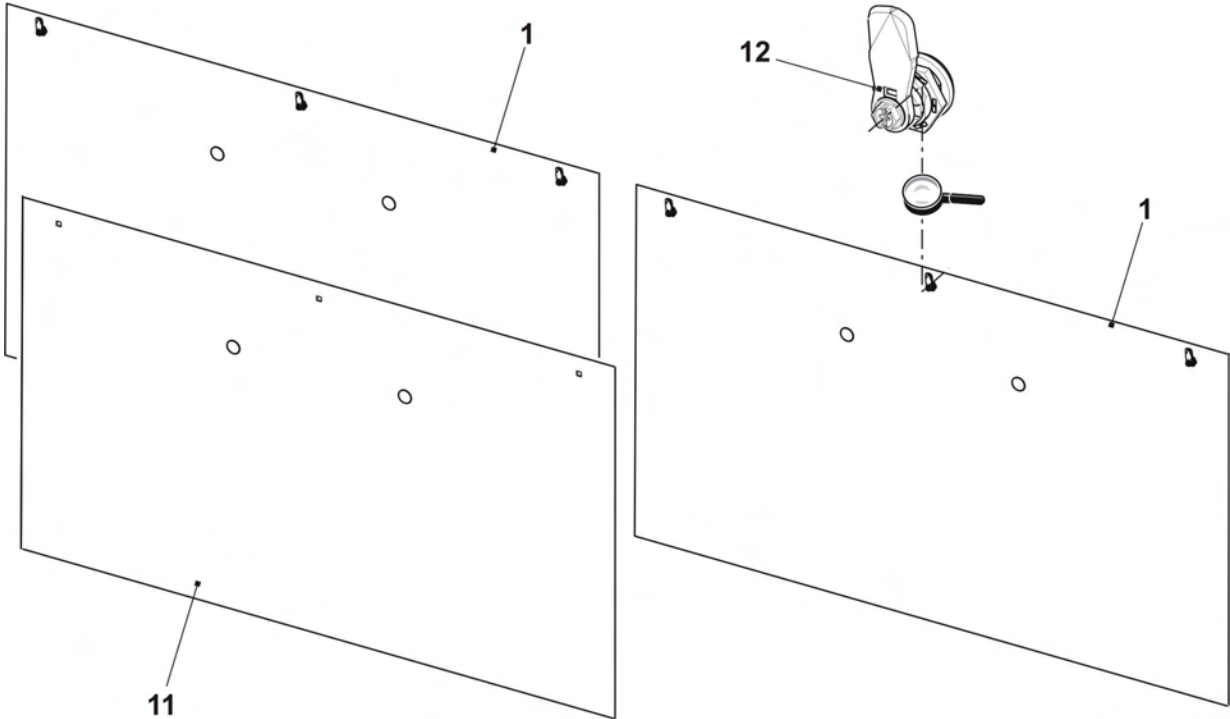
11.1 Lateral safety doors

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left		Σ	Safety door on the right	
1	Safety door on the left	265 278	1	Safety door on the right	265 279
2	Hinge	263 939	2	Hinge	263 939
4	Locking plate	219 748	4	Locking plate	219 748
10	ActuatorAZ 15/16	255 492	10	ActuatorAZ 15/16	255 492
501	Screw 6x30	265 380	501	Screw 6x30	265 380
502	Screw 4x16	263 995	502	Screw 4x16	263 995
506	Screw 6x20	265 379	506	Screw 6x20	265 379

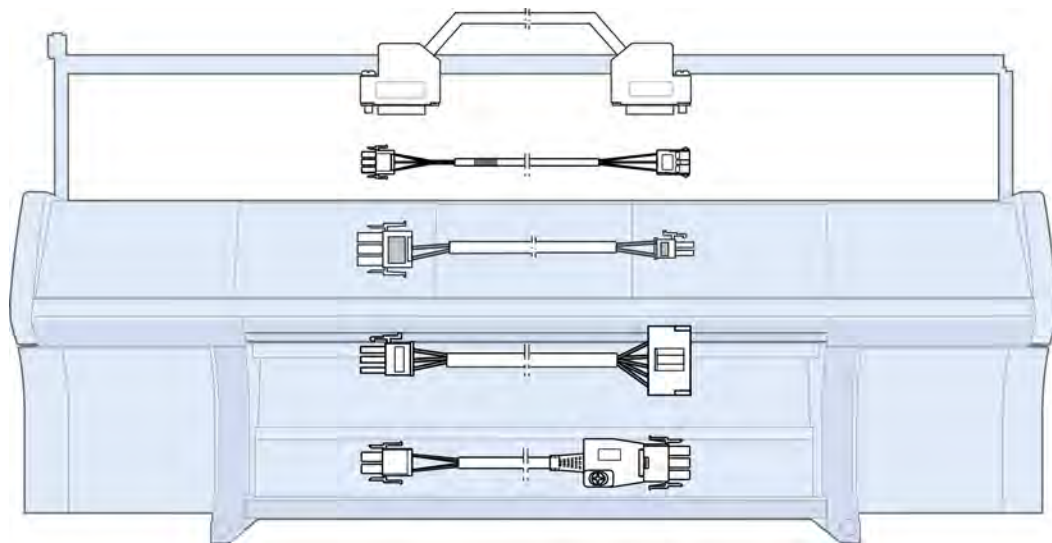


11.3 Rear panel

Pos	Designation	Id. no.	Pos	Designation	Id. no.
1	Panelling at the rear complete	257 670	11	Panelling	257 664
			12	Safety sash fastener	243 052

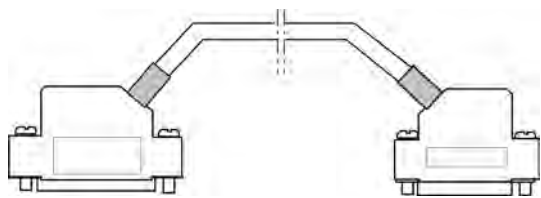
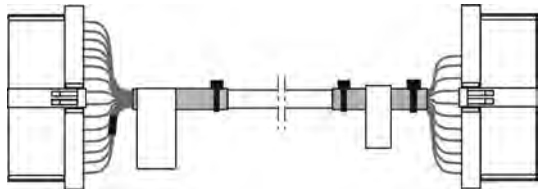
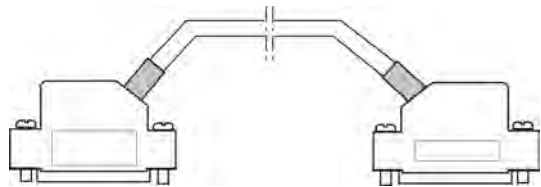


12 Electrical equipment

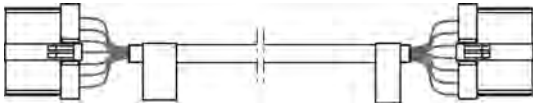


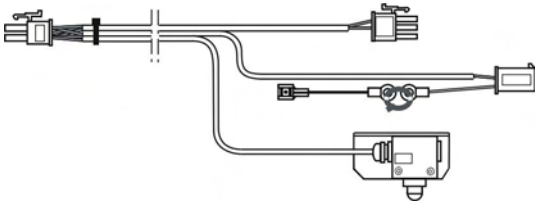
Designation	ID	Marking
Circuit diagram 221 German	257 279	_DE
Circuit diagram 221 English	257 279	_GB
Circuit diagram 221 Chinese	257 279	_CN

12.2 Trailing cable

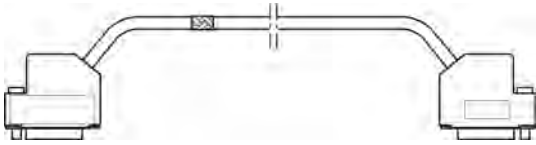
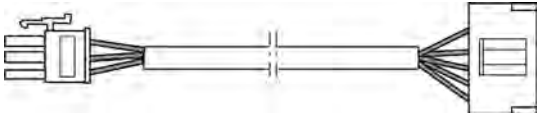
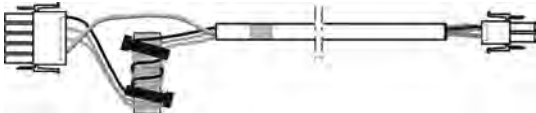
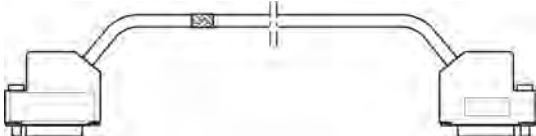
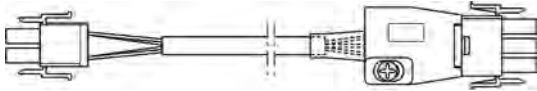
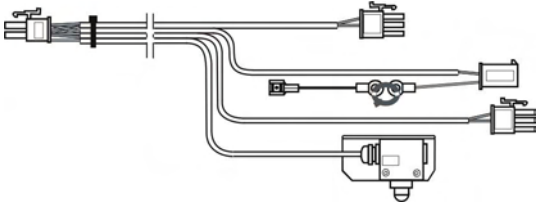
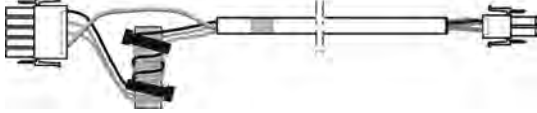
Designation	ID	Designation	ID
Trailing cable set 803 1IMP	268 159		
Cable impulse sensor 2 at the rear on the left XL136, 933 OKC3	259 373	Cable SM rear right XL325, 933 OKC	242 713
	242 707	Cable SM front right XL327, 933 OKC	242 715
			
Cable yarn carrier on the left, 9XX OKC	242 707	Cable signal at the rear on the right XL326, 933 OKC	242 714
		Cable signal front right XL328, 933 OKC	242 716
			

12.3 Cable set base 1

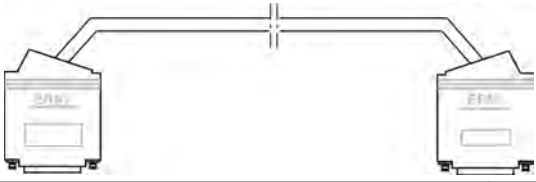
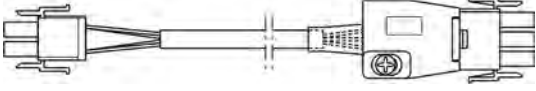
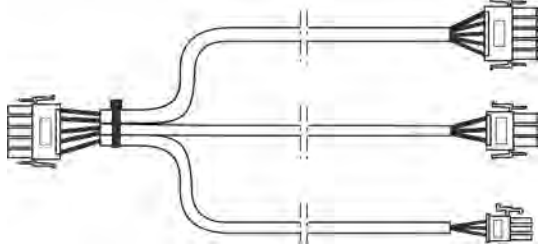
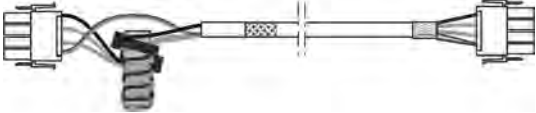
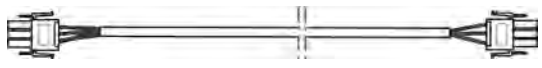
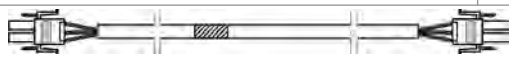
Designation		Id	
Σ	Loom of cables base 1 OKC	240 256	
	Cable Engaging rod OKC 3XX	240 289	
			
Cable supply FKE lampOKC		240 290	
			

Designation		Id	
Cable protective device on the left OKC		253 442	
			

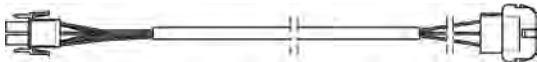
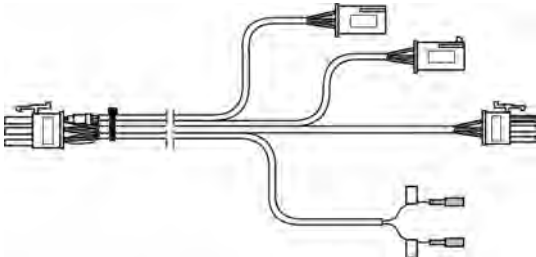
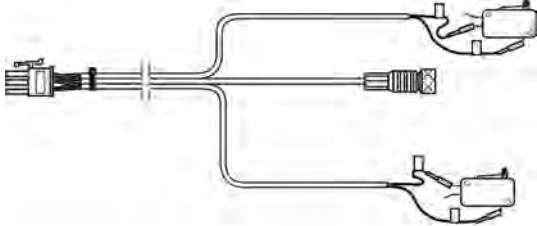
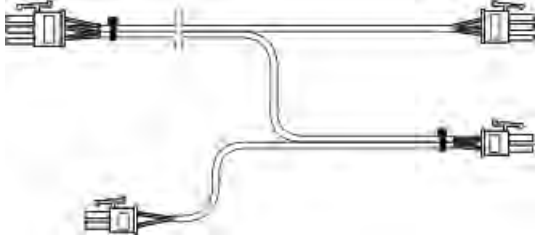
12.4 Loom of cables base 2

Designation	Id	Designation	Id
Σ Loom of cables base 2OKC	240 257		
Cable motor HAAB OKC	240 291	Cable resolver drive OKC 3XX	240 296
			
Cable racking limit switch OKC 3XX	240 292	Cable racking motor OKC 3XX	240 297
			
Cable fan drive 3XX OKC	240 293	Cable resolver racking OKC 3XX	240 298
			
Cable Feed wheel on the right OKC 3XX	240 294	Cable protective device on the right OKC	253 441
			
Cable drive motor OKC 3XX	240 295		
			

12.5 Loom of cables 84" OKC

Designation	Id. no.	Designation	Id. no.
Loom of cables 84" OKC	242 225		
Cable CAN 84" OKC	240 461	Cable Electro 84" OKC	240 463
			
Cable feed wheel on the left 84" OKC	240 466	Cable motor HIAB 84" OKC	242 226
			
Cable switch HIAB 84" OKC	242 227	Cable power supply WAZ/F 84" OKC	263 688
			
Cable power supply servo 84" OKC	240 504	Cable power supply unit of mains supply OKC	240 505
			
Cable motor HAAB OEF/S 84" OKC	242 228	Cable switch HAOS 84" OKC	242 229
			
Cable switch HIABOKC	240 593	Cable motor HIABOKC	240 592
			
Cable power supply FLENT 84"	251 243		
			

12.6 Loom of cables comb

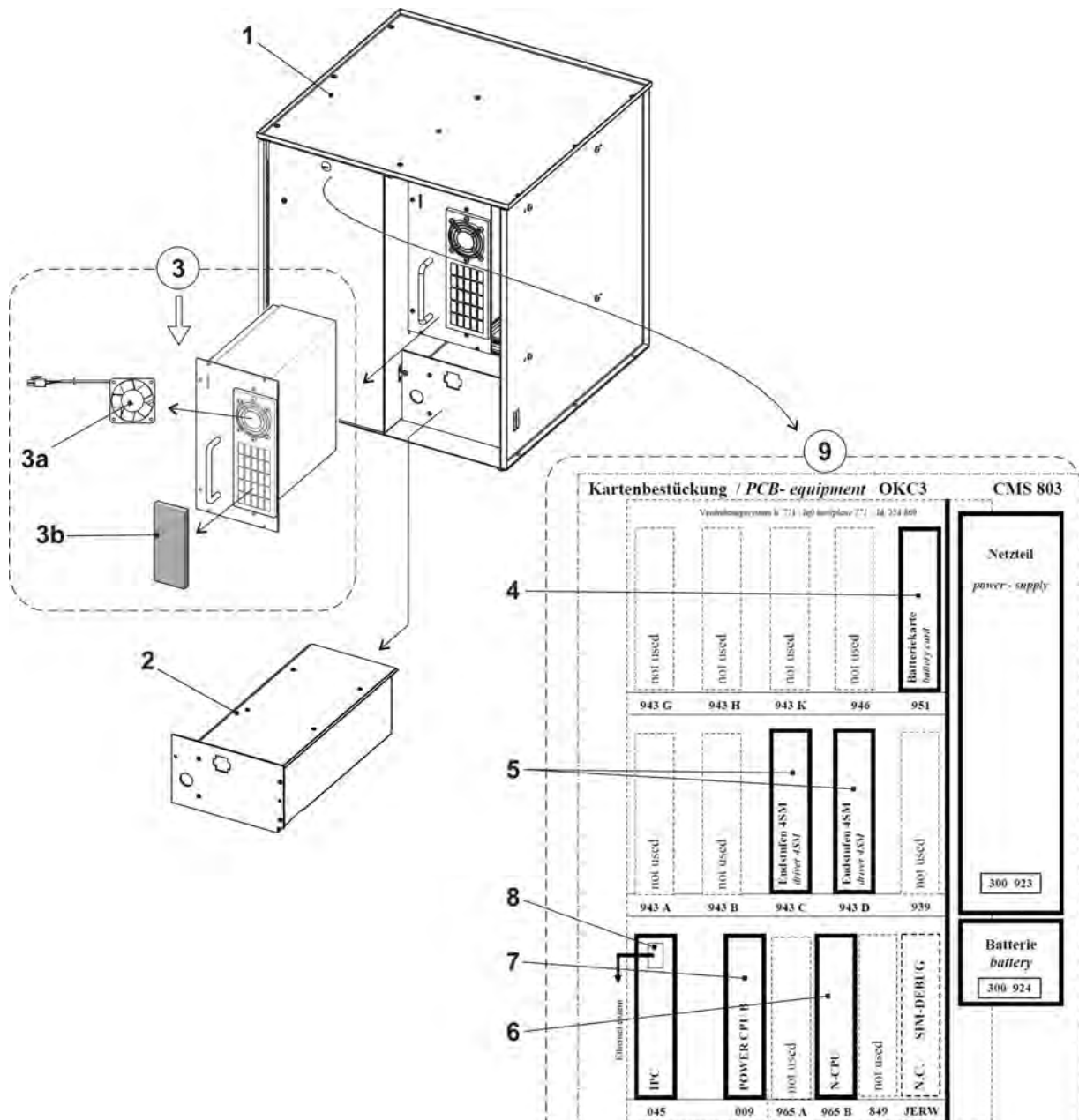
Designation	Id	Designation	Id
Σ Loom of cables comb OKC	240 259		
Cable motor comb hookOKC	240 308	Cable switch combOKC	240 311
			
Cable switch KAHA OKC	240 309	Cable switch HAAB OKC	240 312
			
Cable motor combOKC	240 310		
			

13 Control electronics



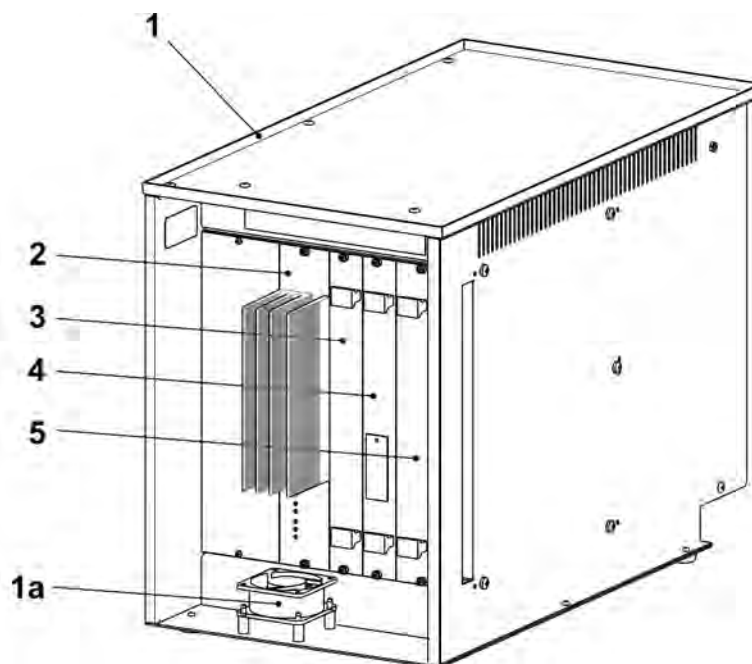
13.1 Left control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the left complete 803 HP	268 148	4	Card battery OKC	300 951
1	Control unit on the left without equipment 9XX 5/6 ZOLL	254 868	6	Card final stages 4SM 7TE	300 943
2	Battery plug-in unit	300 924	7	Card N-CPU 432	300 965
3	Power supply unit CG54	300 923	8	Card Power CPU B	301 009
3a	Fan power supply unit	239 305	9	Spare parts package IPC P10XS	301 045
3b	Filter pad CG54	239 350	10	Adhesive label of card equipment on the left	268 149

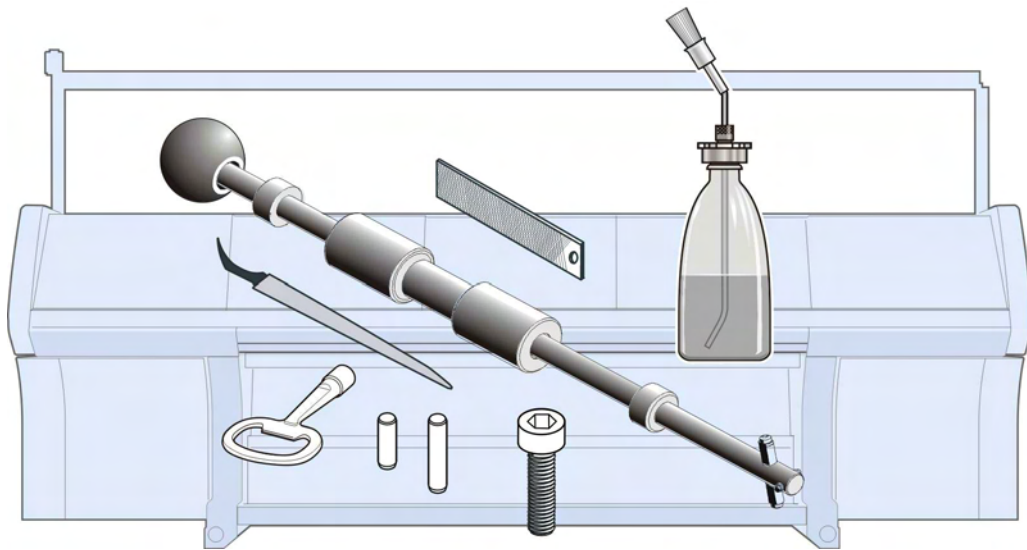


13.2 Right control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the right complete 2A 72 OKC	238 738			
1	Control unit on the right bare 2A OKC	238 737	3	Card relay okc	300 953
1a	Axial flow fan Servo 5	229 059	4	Card CWAZ	300 929
2	Card Servo 6	301 000	5	Capacitor card CWAZ	300 936

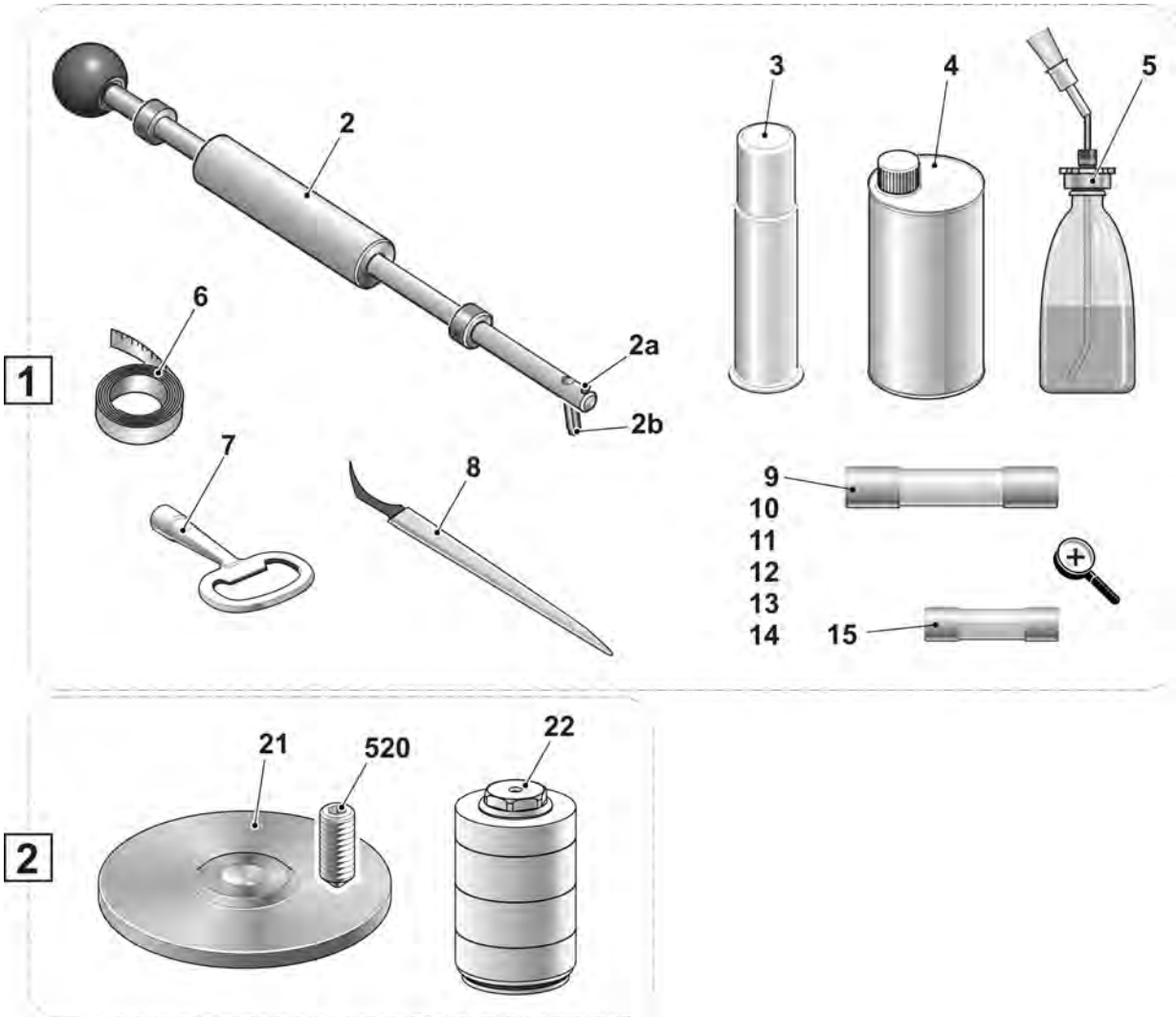


14 Deliverable accessories

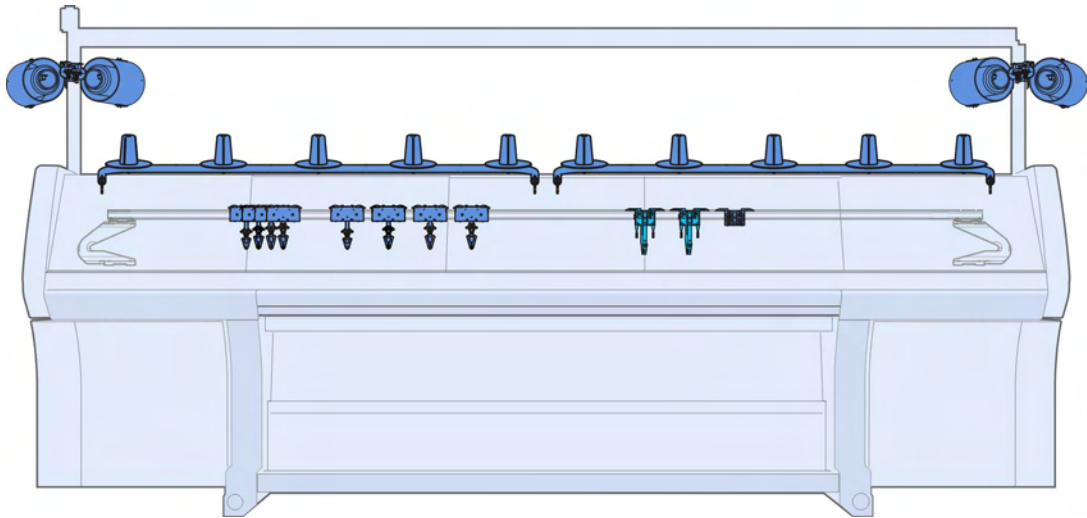


14.1 Accessories standard

Pos	Designation	Id	Pos	Designation	Id
Σ1	Accessories standard part 1	265 182			
2	Extraction hook	232 027	10	Fuse 6,3A T 440V 6,3x32	026 809
2a	Small pin	202 843	11	Fuse 10A T 440V 6,3x32	025 258
2b	Pin	232 022	12	Fuse 2,5A T 440V 6,3x32	217 465
3	Grease OKS 475, 150g	005 351	13	Fuse 1A T 440V 6,3x32Fuse	209 321
4	Textile machine oil Silvertex T 46, 1l	230 614	14	Fuse 1,6A T 5x20Fuse	008 715
5	Oil combifix	216 732	15	Micro fuse F1,0A	008 748
6	Measuring tape L=150cm	228 180	Σ2	Accessories standard part 2	265 183
7	Key of switch cabinet	009 346	21	Shim	056 569
8	Working hook	227 249	22	Signal lightLED	240 395
9	Fuse 3,15A T 440V 6,3x32	025 261	520	Setscrew M16x40	244 061

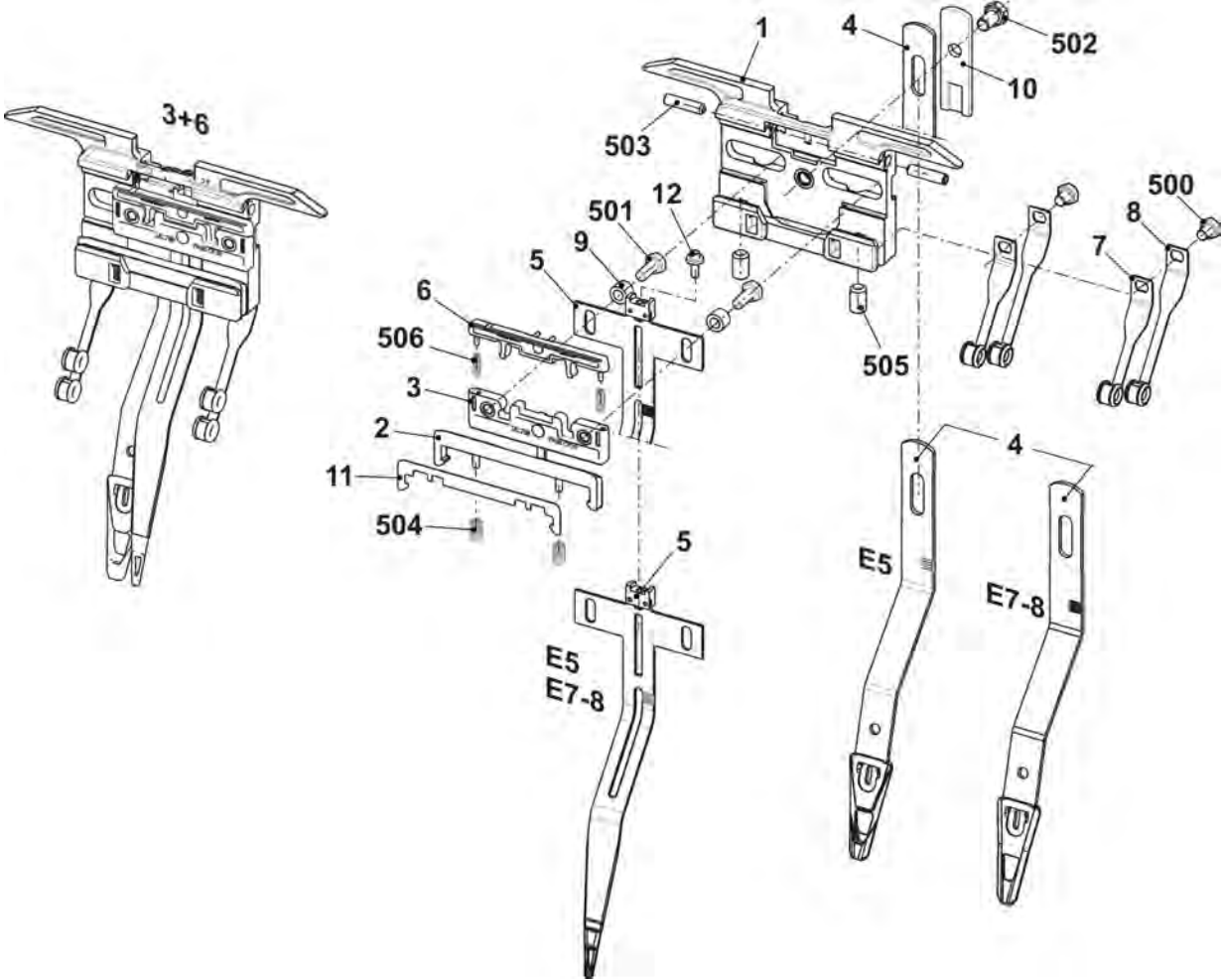


15 Special attachments



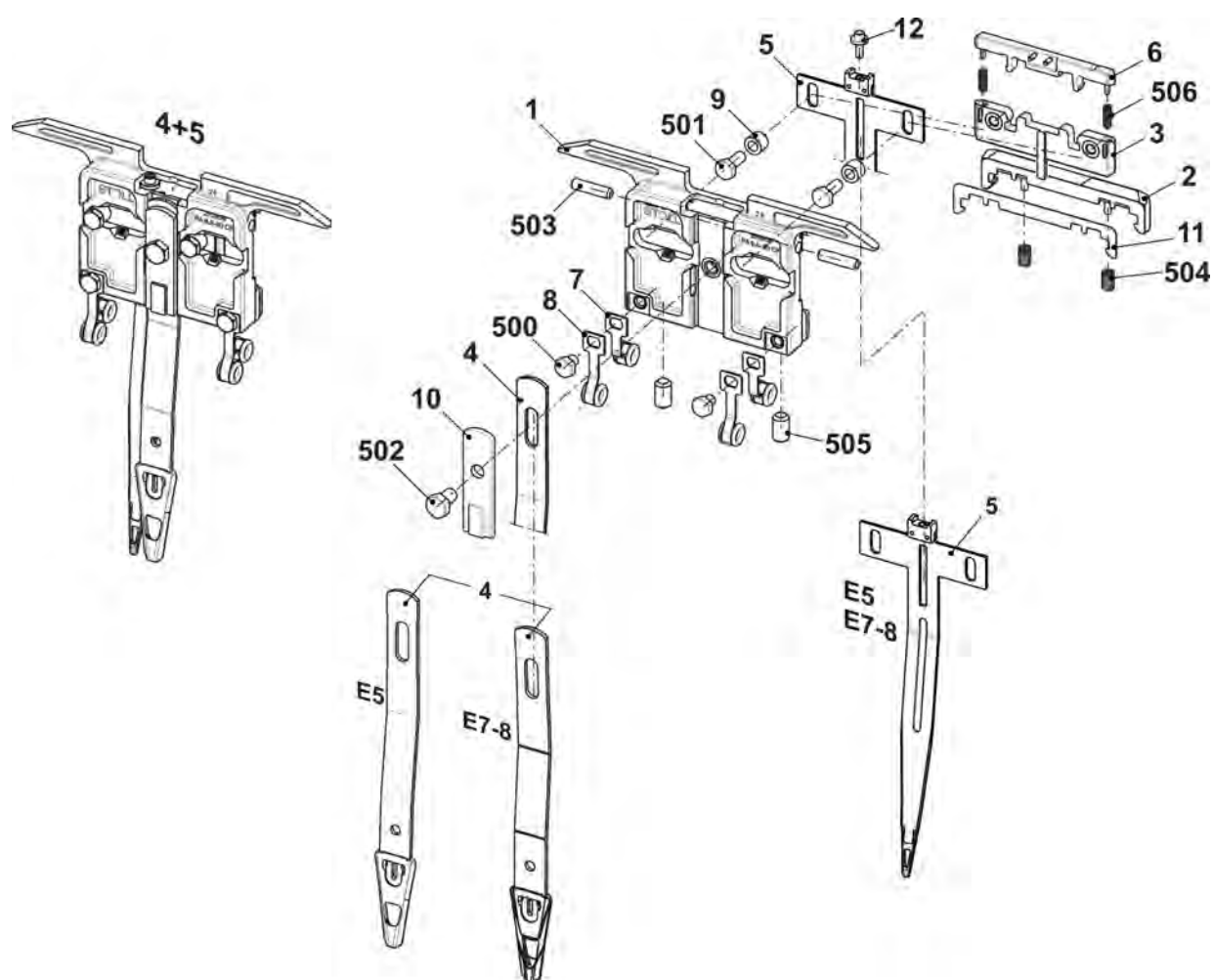
15.1 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete E5	252 782	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6 E5	252 820	501	Hexagon screwM4x10	020 346
5	Plating yarn carrier bow 3+6 E5-8	252 800	502	Hexagon screw	252 832
6	Sliding piece	252 797	503	Setscrew M4x16	254 196
7	Eyelet holder complete	252 825	504	Compression spring	021 399
8	Eyelet holder complete	252 824	505	Threaded bolt	213 399
9	Distance bushing	252 796	506	Compression spring	253 058



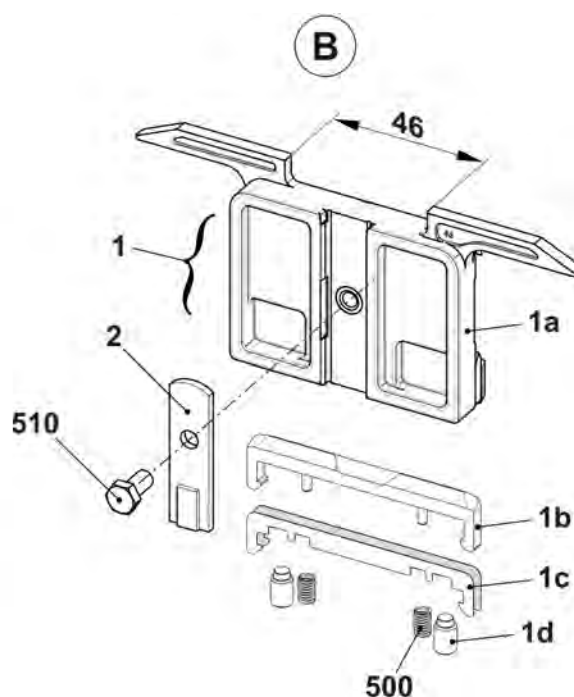
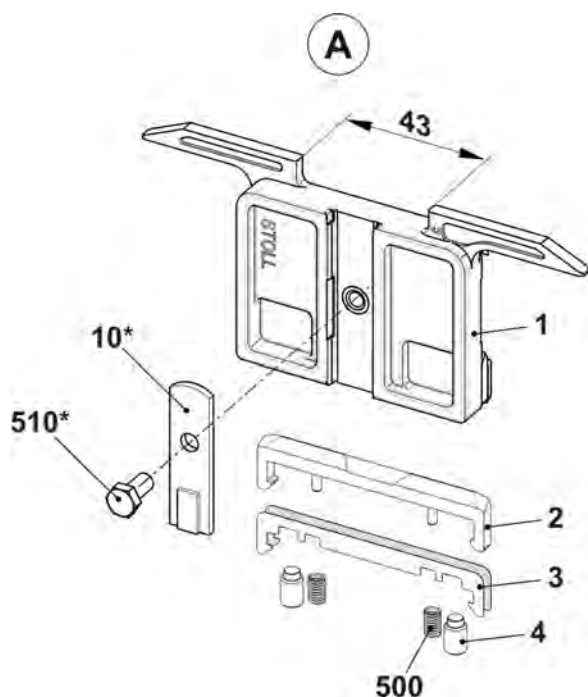
15.2 Plating yarn carrier 4+5

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 completeE5	252 781	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 4+5E5	252 790	501	Hexagon screwM4x10	020 346
5	Plating yarn carrier bow 4+5 E5-8	252 799	502	Hexagon screw	252 832
6	Sliding piece	252 797	503	Setscrew M4x16	254 196
7	Eyelet holder complete	252 815	504	Compression spring	021 399
8	Eyelet holder complete	252 816	505	Threaded bolt	213 399
9	Distance bushing	252 796	506	Compression spring	253 058



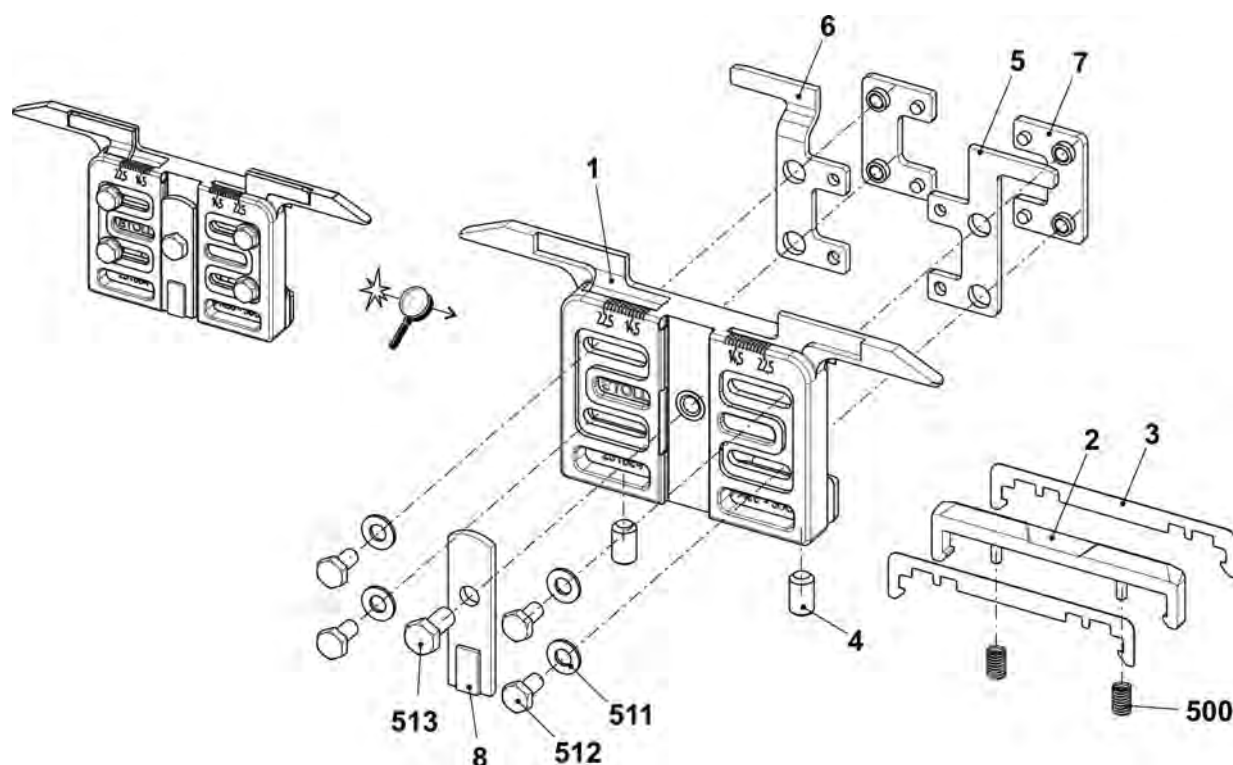
15.3 Carriage of plating yarn carrier EW43 | EW46

Pos	Designation	Id	Pos	Designation	Id
A	Plating FF carriage complete EW 43	257 241	B	Plating FF carriage complete E5-18	244 998
1	FF carriage EW 43	257 240	1	FF carriage EW 46	244 253
2	Sliding piece	212 583	1a	FF carriage	243 881
3	Shim	216 143	1b	Sliding piece	212 583
4	Threaded bolt	213 399	1c	Shim	216 143
500	Compression spring 4,0x0,55x11	021 399	1d	Threaded bolt	213 399
10*	Shim	213 035	500	Compression spring 4,0x0,55x11	021 399
510*	Hexagon screw M5x10	020 351	2	Shim	213 035
			510	Hexagon screw M5x10	020 351



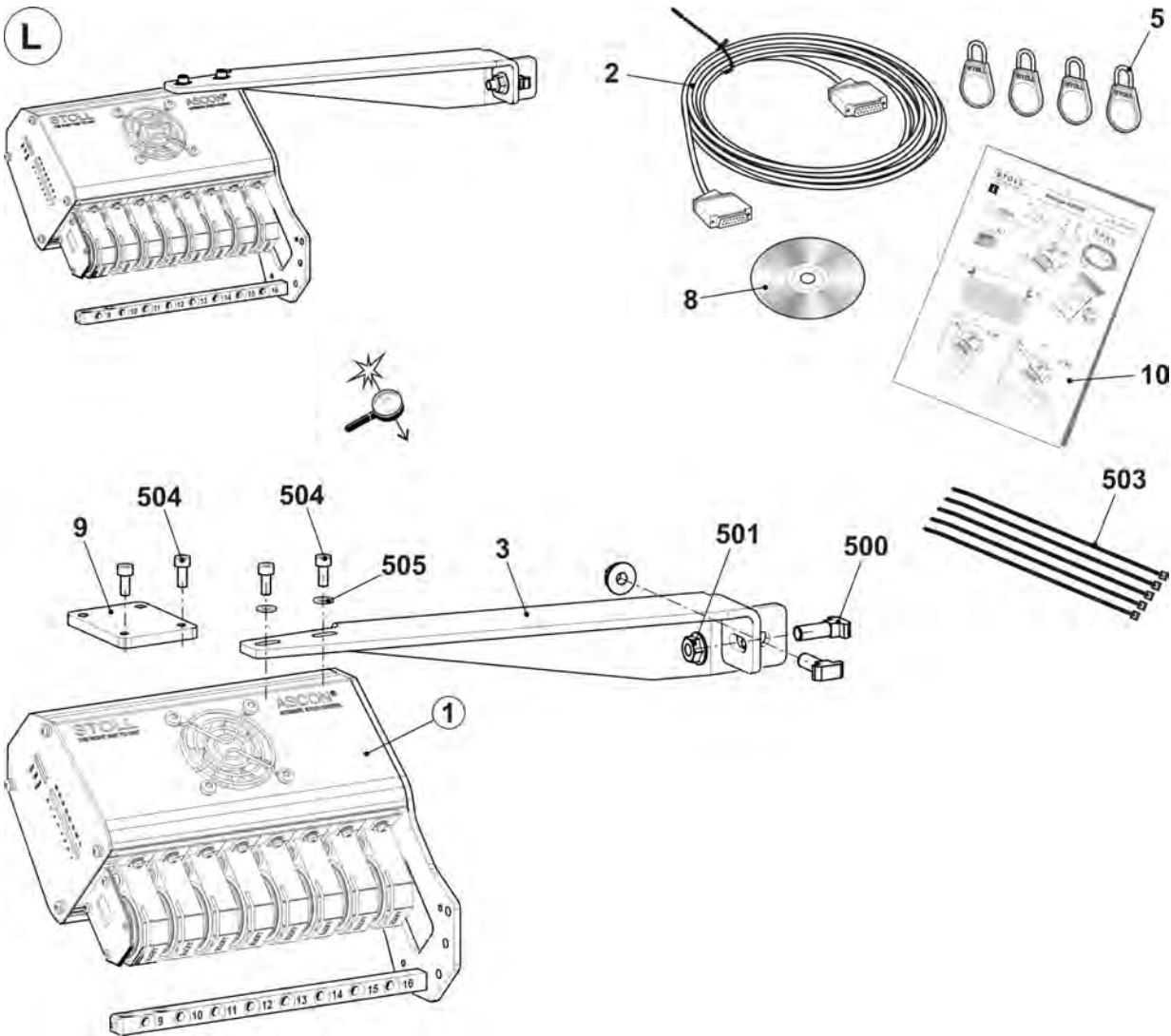
15.4 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867			
1	Carriage of yarn carrier	251 864	7	Guide part	253 226
2	Sliding piece	212 583	8	Shim	213 035
3	Shim	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	Washer 4	022 481
5	Insert on the right	251 866	512	Hexagon screwM4x8	022 461
6	Insert on the left	251 865	513	Hexagon screwM5x10	020 351



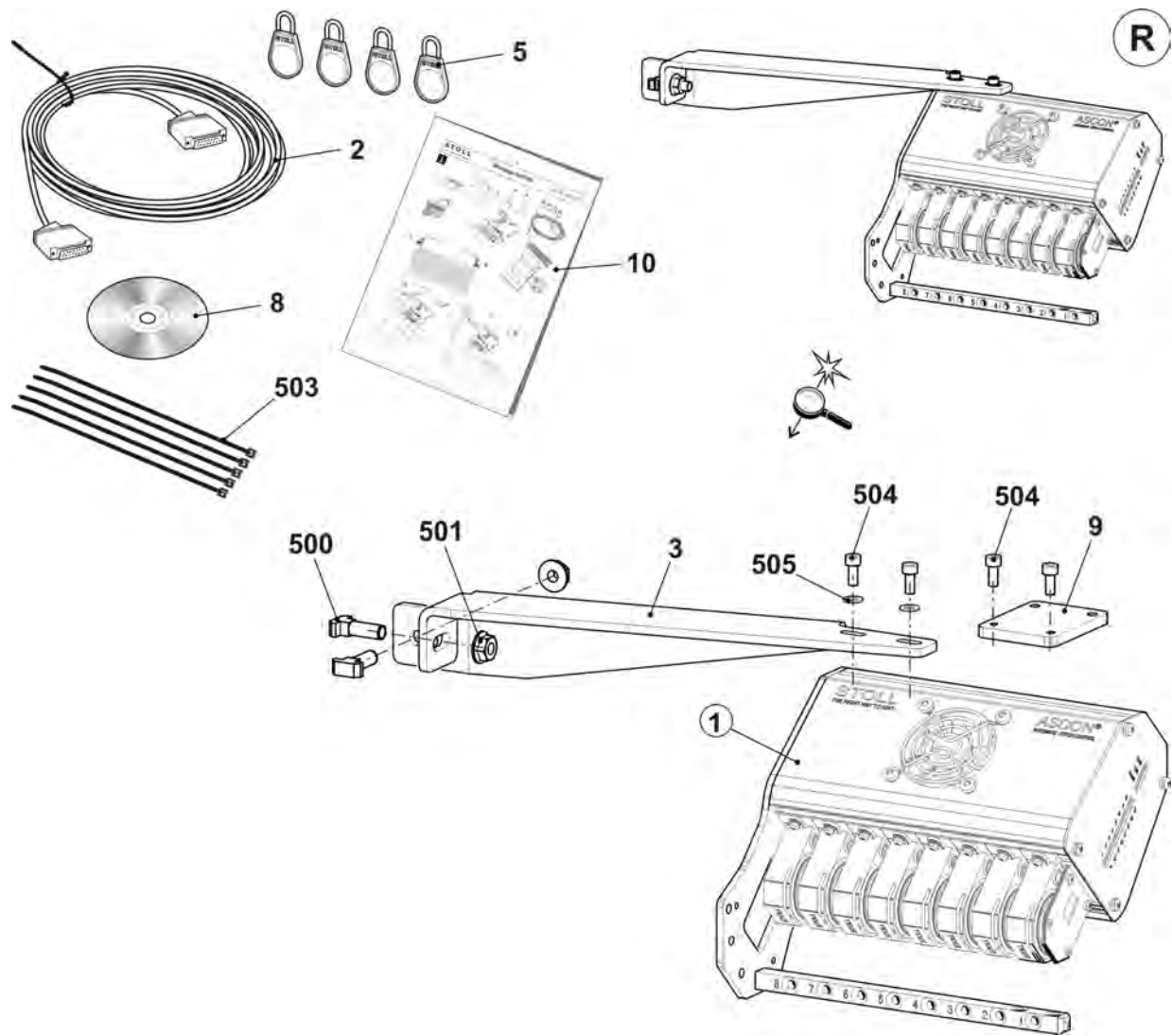
15.5 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 391			
1	Yarn length measuring device on the left complete	257 283	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support on the left	265 046	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



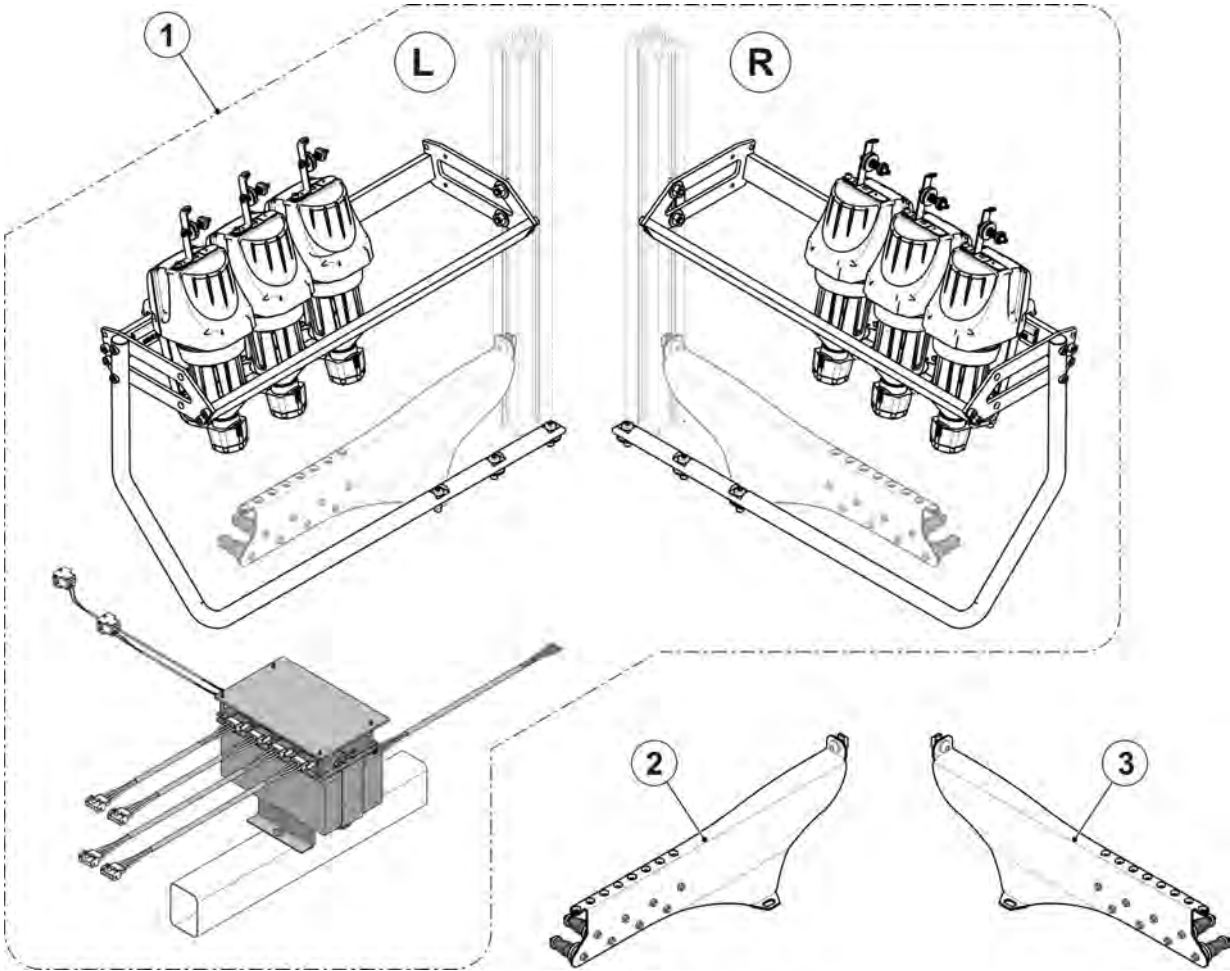
15.6 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 392			
1	Yarn length measuring device on the right complete	257 282	10	Operating instructions of ASCON as- sembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support right	265 045	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



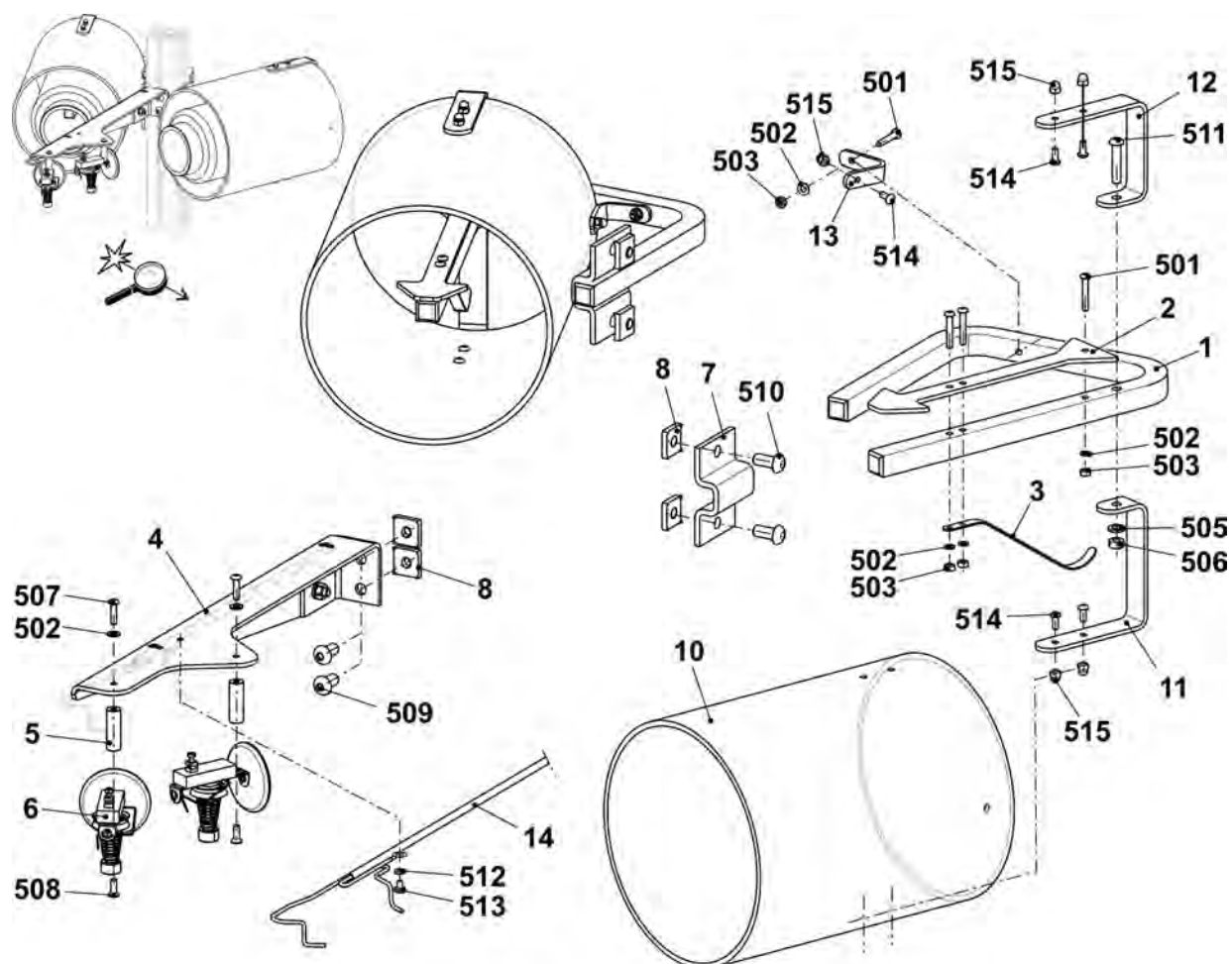
15.7 Storage feed wheel MSF-3 (E3-8)

Pos	Designation	ID	Note
Σ	Storage feed wheel MSF-3 complete E3-8		Please order the MSF-3 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-3 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Assembly kit MSF-3 complete	259 575	
2	Stopping device on the left complete E3-8	265 601	
3	Stopping device on the right complete E3-8	265 602	



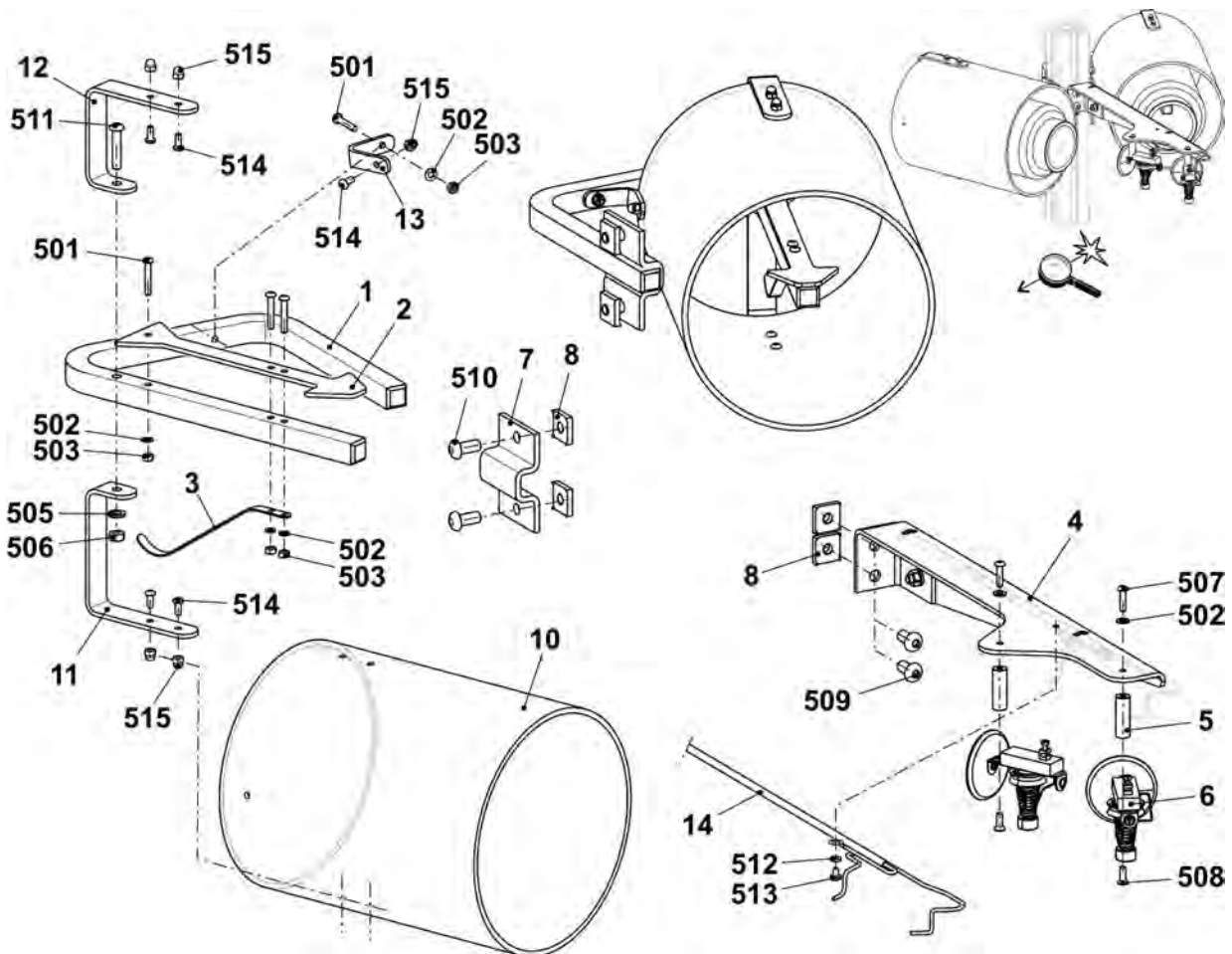
15.8 Bobbin holder on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan-head screw M4x25	023 511
1	Support	253 969	502	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screw M8x16	023 113
8	Slot nut	228 851	510	Pan-head screw M8x18	251 331
10	Cover	253 968	511	Pan-head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screw M4x6	022 946
13	Holding angle	253 967	514	Pan-head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



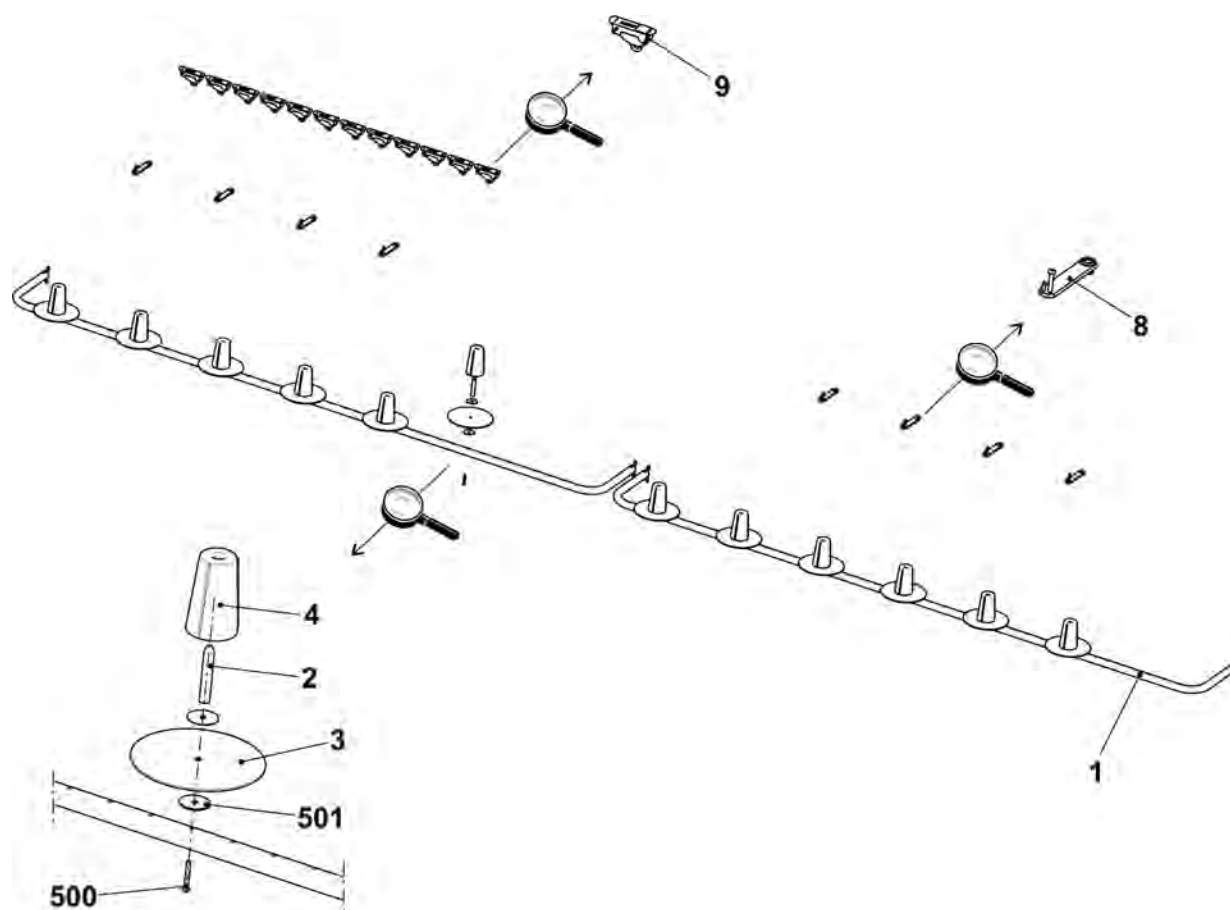
15.9 Bobbin holder on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan-head screw M4x25	023 511
1	Support	253 969	502	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screw M8x16	023 113
8	Slot nut	228 851	510	Pan-head screw M8x18	251 331
10	Cover	253 968	511	Pan-head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screw M4x6	022 946
13	Holding angle	253 967	514	Pan-head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



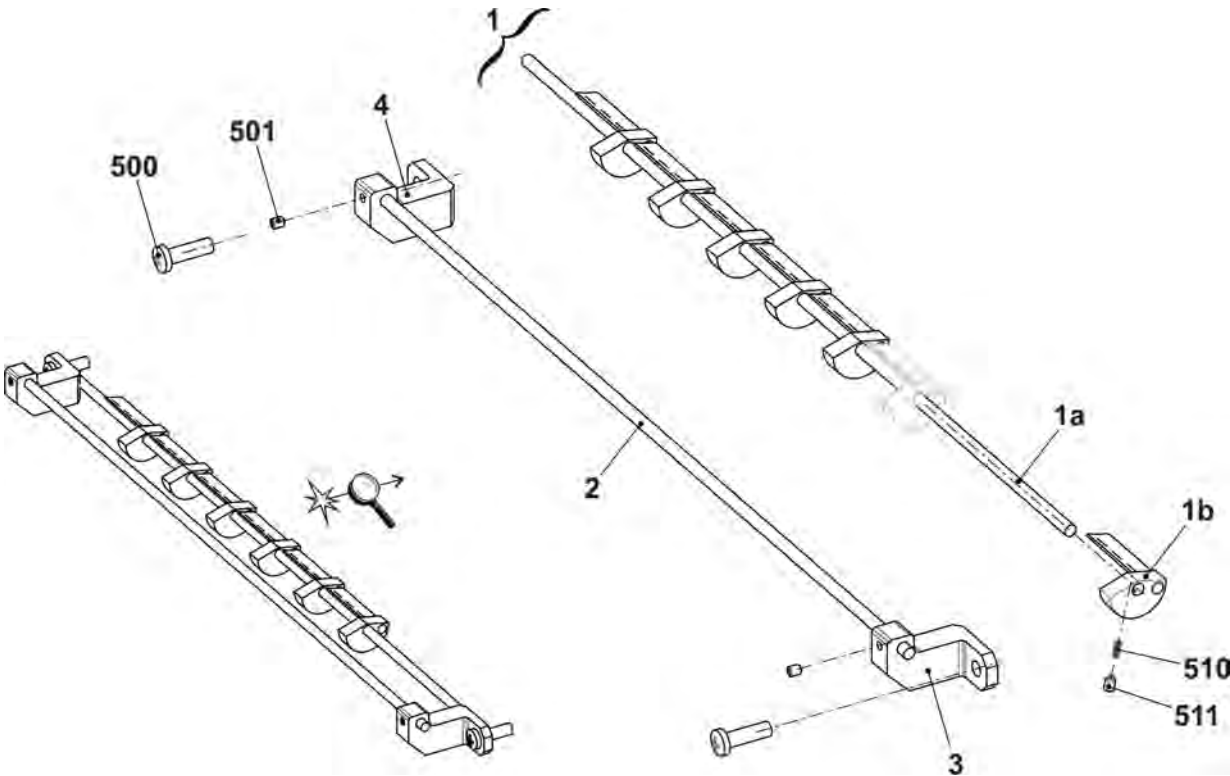
15.10 Additional board at the bottom

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Additional board8XX at the bottom	253 646			
1	Additional bobbin board welded	253 472	8	Yarn guide	243 765
2	Positioning pin	202 777	9	Yarn guide bracket	241 581
3	DiskD=130	062 385	500	Pan-head screw M4x30	023 681
4	Bobbin support	200 363	501	Washer 5,3x30x1,25	023 556



15.11 Sanding Paper Brake

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit sanding paper brake	257 674			
1	Axle complete	257 509	2	Shaft	241 318
1a	Shaft	241 318	3	Support sanding paper brake	257 586
1b	Adjusting part	257 508	4	Support sanding paper brake on the left	257 626
510	Compression spring 0,32x2,51x14,20	237 444	500	Screw KB 60x20	237 682
511	Setscrew M4x6	022 955	501	Setscrew M4x5	023 088



15.12 Adjusting plates

Pos	Designation	Ident no.	Pos	Designation	Ident no.
Σ	Set adjusting plate	266 736			
12	Adjusting plate	265 064	17	Adjusting plateV 0,25	267 253
13	Adjusting plate	265 061	18	Adjusting plateV 0,5	258 199
14	Adjusting plate	265 063	19	Adjusting plateV 1	258 200
15	Adjusting plate	265 062	20	Adjusting plateV 1,5	258 201

